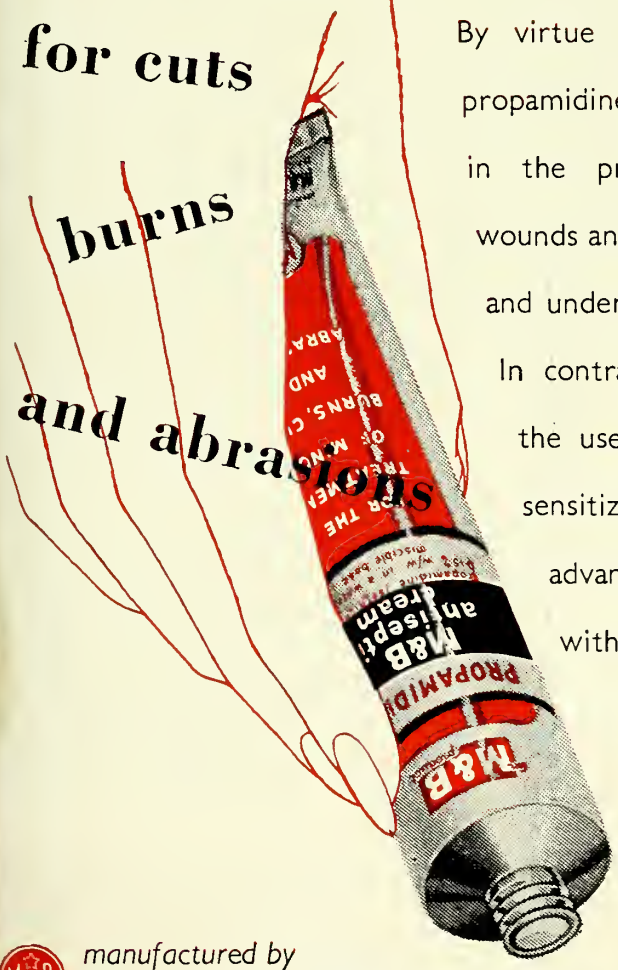
The CHEMIST AND DRUGGIST
for RETAILER — WHOLESALER — MANUFACTURER
JULY 12, 1952

M&B-ANTISEPTIC CREAM

for cuts

burns

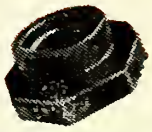
and abrasions



By virtue of the powerful antibacterial activity of propamidine, M&B Antiseptic Cream is highly effective in the prevention and treatment of infection in wounds and burns. It is remarkably rapid in its effect, and under its influence healing takes place unchecked. In contrast to the topical application of penicillin, the use of propamidine is not reported to cause sensitization. M&B Antiseptic Cream has the added advantage of maintaining its potency indefinitely without special conditions of storage.

Attractive Showcards available on request.
Bonus terms of 13 to the dozen offered through wholesalers in return for display services.
M&B Antiseptic Cream is supplied in tubes of 1 oz. at 2s. 3d.

manufactured by
MAY & BAKER LTD



distributors: **PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD · DAGENHAM**

Index to Advertisers pp. 5 & 6

Pride of Place.....



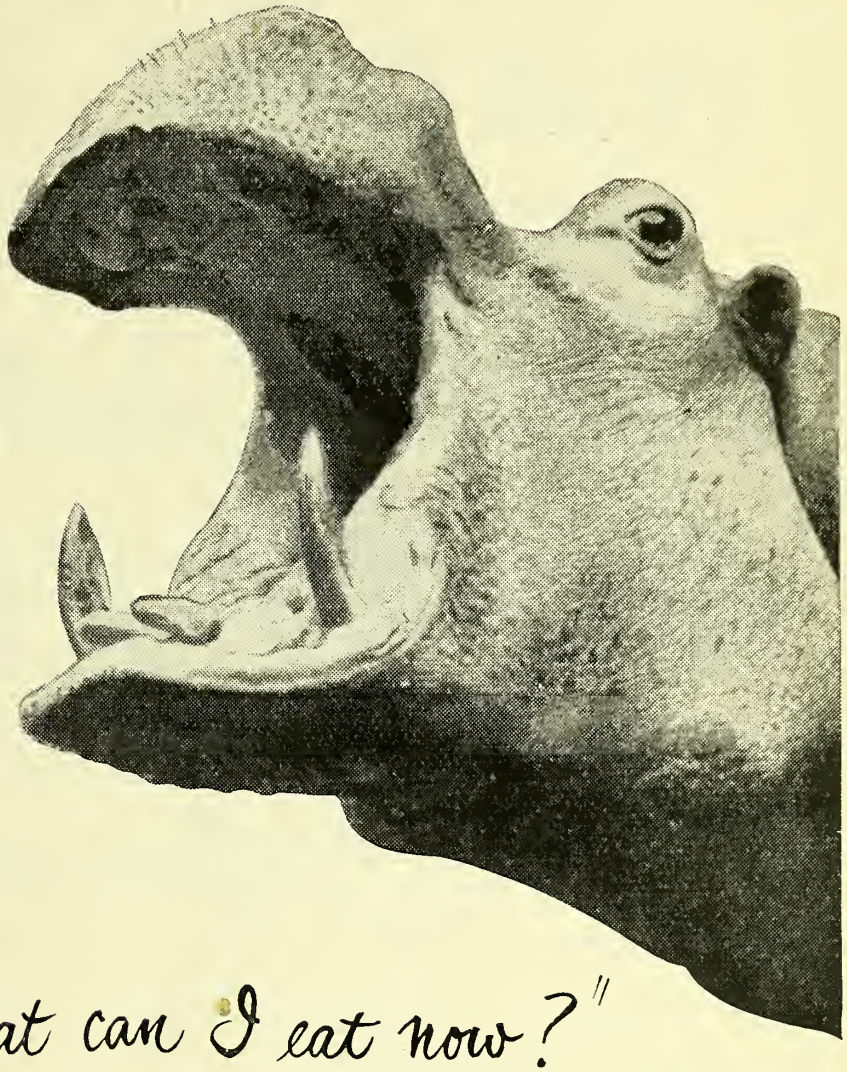
Loch Lomond, from Tarbet, Dunbartonshire.

T. & H. SMITH LTD.

Manufacturers of Fine Chemicals and Pharmaceutical Preparations

PIOL • ARECOLINE • ATROPINE • BRUCINE • CANTHARIDIN • CAPSICIN
HRYSAROBIN • CODEINE • DIACETYLMORPHINE • EPHEDRINE • ERGOTIN
THYLMORPHINE • GINGERIN • HOMATROPINE • HYOSCYAMINE • LEPTANDRIN
IAGNESIUM TRISILICATE • METHADON • MORPHINE • PAPAVERINE
HYSOSTIGMINE • PICROTOXIN • PILOCARPINE • SANTONIN • STRYCHNINE

EDINBURGH · SCOTLAND



"But what can I eat now?"

After multiple extraction, the desire for a 'square meal' often asserts itself some time before the mouth can cope with anything but the softest fare. So here is yet another occasion when your recommendation of Farex will be really appreciated.

The same smooth texture that makes Farex so suitable for babies is often equally welcome to adults. And remember, Farex provides genuinely adequate nourishment . . . *delightful* nourishment, too, for it can be given literally any flavouring your customer fancies!

FAREX *three-cereal food: ready-cooked*

Trade mark

10 oz. cartons, 1/4d. (face price); 12/10 net per dozen cartons.
Parcel No. 5; 2 doz. x 10 oz. cartons 24/- net.
Order parcels direct from Greenford, quoting wholesaler's name for invoicing purposes.

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

VEGETABLE DRUGS

(Simple or Compounded)

★ ★ ★

FLUID EXTRACTS, INFUSIONS TINCTURES, DECOCTIONS, Etc

★ ★ ★

TABLETS & PILLS

(Plain or Coated)

★ ★ ★

OINTMENTS, SUPPOSITORIES, POWDERS, Etc

Supplied ***Bulk or Packed***

CUSTOMERS OWN SPECIALITIES
MANUFACTURED and PACKED

¶ **We have been officially appointed stockists for MESSRS. POTTER & CLARKE LTD., and can supply all their Proprietary Lines at Trade Terms.**

TRADE ENQUIRIES SOLICITED

All goods delivered free by our motors as far North as Glasgow and South as Nottingham.

Elsewhere orders of £5 nett value (excluding Proprietary Lines) delivered carriage paid in Great Britain.

Brook, Parker & Co. Ltd.

Ashfield, BRADFORD

Phone : Bradford 28237/8

EVANS

Growth factors in Liver

HEPOVITE
Proteolysed Liver Tablets

EACH ONE GRM. TABLET contains 0.5 grm. Proteolysed Liver (Evans), equivalent to approximately 3 grm. of fresh liver.

ADMINISTRATION of liver powder in an average dosage of 1·2 grm. per day for thirteen weeks to children on a normal diet resulted in these children gaining 20% more in height and 40% in weight than a control series who did not receive the supplement. (Yudkin (1952) *Brit. med. J.* **1**,1388.)

PROTEOLYSED LIVER contains factors in addition to strepogenin and vitamin B_{12}, which are potent growth stimulants. (Kodicek & Miftry, (1952) *Biochem. J.* **51**,108.)

Hepovite Proteolysed Liver Tablets are available in containers of 24. Further information on request to Medical Information Department, Speke, Liverpool, 19.

EVANS MEDICAL SUPPLIES LTD
Liverpool and London

OPTIMISM

we are full of it and we are still offering and producing printed ideas and attractive packaging material that will increase your profits.

If you have a new scheme in mind that requires such attention write to

ALF. HARRISON & SONS LTD.
MEDICAL, CARTON & COLOUR PRINTERS
BURLEY ROAD, LEEDS, 4
Phone : LEEDS 52668/9
Grams: "IDEAS" LEEDS

Cephos
PRONOUNCED SEE-FOSS
REGD.

POWDERS AND TABLETS

Sell Readily and Steadily!

Backed by forceful and continuous advertising!

NEWS FLASH! *More aid to the Trade!* New range of 'point of sale' advertising material available!

Trade enquiries to :
CEPHOS LTD.
BLACKBURN



T7

A WARNER PRODUCT

DIATRIN REGD.

the antihistaminic drug of choice for the treatment of allergic complaints. Notable for its low toxicity and its freedom from side-effect, Diatrin is widely prescribed for Hay Fever, Urticaria, Vasomotor Rhinitis and other common allergic disorders.

Available as sugar-coated oral tablets 50 mg. each. Bottles of 20 and 250.

Price to Consumer; bottles of 20 tablets, 4/- each. Trade Price; bottles of 20 tablets, 32/- per dozen. Containers of 250 tablets for dispensing only, 320/- per dozen. Diatrin is a P.L., S.L., S.1V. Poison not subject to P.T.



WILLIAM R. WARNER & CO. LTD., POWER ROAD, LONDON, W.4

INDEX TO ADVERTISERS

Addis, Ltd. 12
Adelaide Grey xvi
Allen, Stafford, & Sons, Ltd. 19
Anne Scott Preparations ..... Leader Page
Aspro, Ltd. xxvi

Bailey, R., & Son, Ltd. xxiii
Beatson, Clark & Co., Ltd. xxiii
Biorex Laboratories, Ltd. 26
Blyton, Astley & Co., Ltd. vi
Bovril, Ltd. 14
Bowens Camera Repair Service ..... Col. Supp.
British Drug Houses, Ltd., The i
British Dyewood Co., Ltd., The ii
British Schering, Ltd. 6
British Vacuum Flask Co., Ltd. v
Britton, Malcolm & Co., Ltd. x
Broadstairs Photo Works, Ltd. ..... Leader Page
Brome & Schimmer iv
Brook, Parker & Co., Ltd. 2
Burrough, James, Ltd. ..... Leader Page
Burroughs Wellcome & Co. 17, 29

Calmic, Ltd. 25
Carnegie Chemicals (Welwyn), Ltd. 9
Cephos, Ltd. 4
Cinex Laboratories, Ltd. 24
"Clor-o-Filt" 22, 23
Compressed Paper Packing, Ltd. xxii
Container Recovery Service xi
Cox, Arthur H., & Co., Ltd. 18
Craig & Parsons, Ltd. vi

Culmak, Ltd. ..... Leader Page

Dales Tablet Makers, Ltd. ..... Leader Page
Daniel, Richard, & Son, Ltd. 13
"Dettol" 7
Dominion Steel Corporation, Ltd. xxii

"Elasto" 14
Evan Williams Co., Ltd. viii
Evans Medical Supplies, Ltd. 3

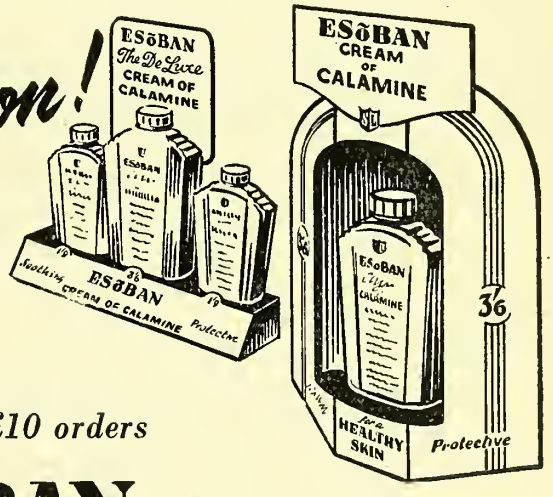
F.A.I.R. Laboratories, Ltd. xxviii
Fennings, A. xxiv
Freeder Bros. Paper Mills xxvi
Freudentheil, Smith & Co. ..... Leader Page

Gale, Baiss & Co., Ltd. iii
Gibbs, D. & W. (U.K.), Ltd. 28
Glaxo Laboratories, Ltd. 1
Golden, Ltd. (Tress) xxvii
Goya ix
Goya (Men's Division) 21
Graesser Salicylates, Ltd. iv
Greyer, Brecheisen & Co., Ltd. iv
Guest, Thos., & Co., Ltd. 26

Halex, Ltd. xxi
Harris, Hart & Co., Ltd. iv
Harrison, A., & Sons, Ltd. 4
Hathway, J., & Sons, (Bermondsey), Ltd. Leader Page

(*continued overleaf*)

Don't miss this 3 in 1 sales attraction!



- *Compelling Display Material*
- *33⅓% discount + 13 to the dozen*
- *Plus further 5% on £5 and 10% on £10 orders*

for ESõBAN
the DeLuxe CREAM *of* CALAMINE

* Offered in return for a 14-day counter and window display on minimum orders of 3 doz., either size. Grasp this 3 in 1 opportunity NOW—and boost your sales during the summer season.

Order Direct **£5 and £10 parcels direct or, if under £5 in value, through your usual C.F. Wholesaler**

SOUTHON LABORATORIES Ltd., 88 *Upper Richmond Road, London, S.W.*15

INDEX (cont.)

Herbert & Sons, Ltd. xxiii
Herts Pharmaceuticals, Ltd. xxx

Imperial Chemical (Pharmaceuticals), Ltd. ... 20
Ingram, J. G., & Son, Ltd. xx

Jeyes Sanitary Compounds Co., Ltd. xxix

Kellys, John (London), Ltd. ii
Kemsales, Ltd. xx
Kerfoot, Thomas, & Co., Ltd. 10, 11

Laporte Chemicals, Ltd. iii
Lastonet Products, Ltd. 26
Lifeguard Products, Ltd. xv
Liptons Paper Mills, Ltd. vi

Macdonald & Son, Ltd. 16
Manesty Machines, Ltd. 27
Markwell Edwards & Co. vi
Matthews, S., & Co., Ltd. xviii
Meggeson & Co., Ltd. 30
Metropolitan Chemicals (London), Ltd. iii
Monsanto Chemicals, Limited .....xii, xiii
Morrison & Ralph, Ltd. xx
Moseley, David & Sons, Ltd. xxviii

Orridge & Co. .....Col. Supp.
Oxo, Ltd. xxv

Pearce, L. R. B., Ltd. vi
Pharmaceutical Specialities (May & Baker), Ltd. .....Front Cover
Precision Compressed Tablets, Ltd. 22, 23

"Radio Times" xvii
Rankin Bros. & Sons .....Leader Page
Rose, J. L., Ltd. ii

Schutze, F., & Co., Ltd. xxii
Scott & Turner, Ltd. ix
Searle, A., & Co. xviii
Secto Co., Ltd. .....Leader Page
Sherley, A. F. & Co., Ltd. v
Simpkins of Sheffield xvi
Smith, T. & H., Ltd. .....Cover ii
Southon Laboratories, Ltd. 5
Sturge, John & E., Ltd. vii
Surgical Hosiery Co., Ltd. vi

Taylor, Edward, Ltd. xx
Tunnel Glucose Refineries ii

United Cotton Mills, Ltd. 15
United Glass Bottle Manufacturers, Ltd. xiv

Velvet Crepe Paper Co., Ltd. 8
Vichy Celestine 14
Vitamins, Ltd. viii

Waide, Thos., & Sons, Ltd. 13
Wallis Laboratory, Ltd., The .....Leader Page
Warner, W. R. & Co., Ltd. 4
Webster, Issaac & Sons, Ltd. xxii
Whiffen & Sons, Ltd. .....Cover iii
Windschuegl, Chas. H., Ltd. .....Cover iv

Zeal, G. H., Ltd. .....Cover iv

The Antispasmodic-Antacid ***tablet***

for the ambulant peptic ulcer patient

BS

'NEUTRADONNA,' the well-known antispasmodic and antacid powder which is widely prescribed for peptic ulcer and acid dyspepsia, is now available in the form of tablets. These provide a particularly convenient form of treatment for the ambulant patient.

Each 'Neutradonna' Tablet contains 10 grains of the efficient buffer antacid aluminium sodium silicate together with antispasmodic belladonna alkaloids equivalent to 2.8 minims of tincture of belladonna. The tablets are packed in cartons of 5 packets of 12 tablets, each packet being sufficient for one day's treatment.

'NEUTRADONNA' ***tablets***

Aluminium sodium silicate with extract of belladonna

Full descriptive literature will gladly be sent on request.

British Schering Limited

229-231 Kensington High Street, London, W.8 telephone: WEStern 811

A combination of qualities

The claims of 'Dettol' do not rest on any single quality desirable in an antiseptic, but rather upon the combination of several essential properties. It can be used at fully effective strengths with safety; that is, without risk of poisoning, discomfort or damage to tissue. It retains a high bactericidal potency in the presence of blood, it is stable, and agreeable in use.

'DETTOL'

THE MODERN ANTISEPTIC

'Dettol' is available in 2 gallon and 5 gallon tins free of Purchase Tax *for dispensing purposes only*. Smaller sizes, including 1 gallon tins for public use, are subject to Purchase Tax.

RECKITT & COLMAN LIMITED, (PHARMACEUTICAL DEPARTMENT), HULL

Velvet

ANNOUNCE THE NEW RETAIL PRICES FOR THEIR TOILET ROLLS

AS FROM JULY 1st . . .

VELVEX	fully wrapped sulphite toilet rolls	**1/2**
VELVEX	interleaved toilet tissue	**1/-**
VELVET	two-ply tissue rolls	**1/3**
HERMES	sulphite toilet rolls	**9d**
PRESTO	sulphite toilet rolls	**7d**
ALPEX	fine crepe toilet rolls	**8d**
CHAMPION	crepe toilet rolls	**6d**

The finest range of toilet rolls NOW at the keenest prices!

QUALITY AND WEIGHT UNCHANGED

VELVET CREPE PAPER COMPANY LIMITED

The Premier Producers of Paper Tissues

ALPERTON MILLS, WOODSIDE END, ALPERTON, MIDDX.

CARNEGIE

Manufacturers of Fine Chemicals



AESCULIN
ALOIN
AMINOPHYLLINE
ATROPINE & SALTS
BISMUTH SALTS
BROMISOVALERYLUREA
CAFFEINE & SALTS
CHLORAL HYDRATE
CHRYSAROBIN
CITRATES
EPHEDRINE & SALTS
ESERINE & SALTS
HYOSCINE HYDROBROMIDE
IODIDES
KHELLIN
LITHIUM SALTS
P.A.S.
PODOPHYLLIN RESIN
SALICYLATES
SANTONIN
STRYCHNINE & SALTS
THEOBROMINE & SALTS
THEOPHYLLINE & SALTS

ETC.

CARNEGIE CHEMICALS (WELWYN) LTD

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

TELEGRAMS: CARNECHEM, WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

A 'CARNEGIES OF WELWYN' COMPANY

TK's MONTHLY

THESE NEW *Chlorophyll* PRODUCTS ARE MAKING FRIENDS EVERYWHERE



KEROFIL MEETS WITH INSTANT RESPONSE

Introduced only in April of this year KEROFIL made an immediate appeal to Chemists and their customers alike. It was recognised—and it is now confirmed—that here indeed are the ideal chlorophyll preparations for which there is a real need. Kerofil Lozenges are pleasant to take: Kerofil Toothpaste is refreshing to use: they are both effective personal deodorants which can be employed naturally, unobtrusively and habitually.

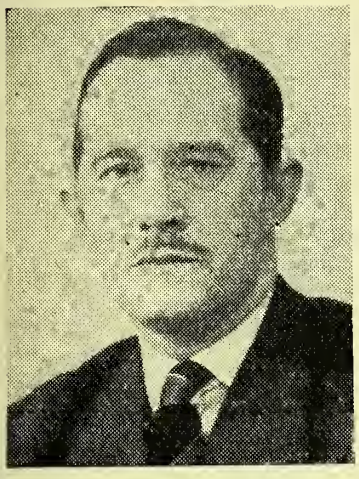


WELL PACKED AND WELL DISPLAYED

In a previous T.K's Newsletter we illustrated the individual Kerofil packages. Here are the attractive outer display boxes and the striking showcard. It will pay to keep them well to the fore this summer. Make it easy for customers to buy, try and come again.

Newsletter

KERFOOT



THIS MONTH'S PERSONALITY

Mr. E. GOODE

Our Representative in the Birmingham area, the Potteries and North Wales, Mr. Goode joined the Firm in 1946. He has most ably assumed the mantle of Mr. E J. Wilks, who is happily still with us though now living in retirement.

Kerofil TRADE MARK

ADVERTISEMENTS ARE READ BY 27 MILLION PEOPLE

Advertisements describing the uses of the Kerofil Products are appearing in leading periodicals with enormous circulations and still greater readership per issue. The above figure is based upon the latest Hulton Survey, which has been shown by experience to be reliable. Papers used include—

Picture Post Illustrated Reader's Digest
Woman Woman's Weekly

The best links with this wide-spread publicity are frequent window displays and a display box constantly in evidence on the selling counter. Make sure of a good share of this profitable business. The quality of the Kerofil preparations ensures that there will be repeat business into the bargain.

Lozenges 1/9 **Toothpaste 1/8**

Trade terms and attractive bonus arrangements will be supplied on request.

Men and Women who take a pride in their personal freshness are enthusiastic about...

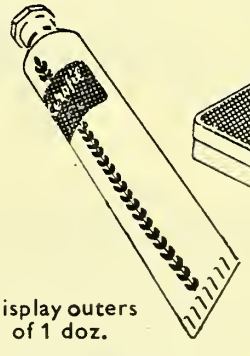




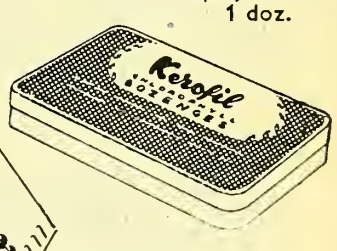


Kerofil TRADE MARK

CHLOROPHYLL LOZENGES & TOOTHPASTE



Display outers of 1 doz.

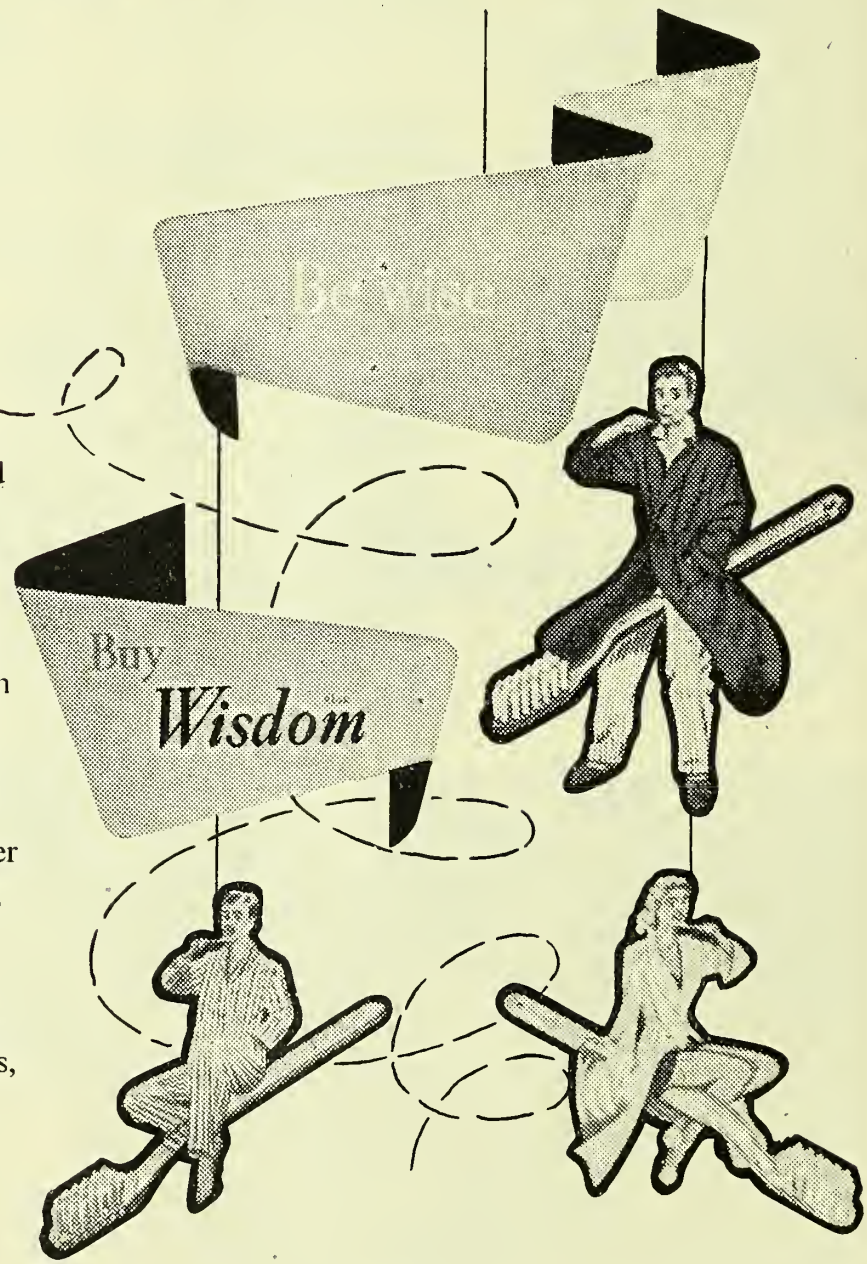


Display outers of 1 doz.

THOMAS KERFOOT & CO. LTD.

VALE OF BARDSLEY, LANCASHIRE BARDSLEY HOUSE, LONDON N.1

The most unusual display you've ever seen!



Like gay, brightly-coloured marionettes, the figures constantly turn and pirouette, changing their selling message whenever the air moves! The Wisdom Mobile takes up none of your valuable window or counter space — you can hang it, by its special rubber suction cap, from any wall, window or ceiling. If you haven't received one of these unusual, hard selling, full-colour Wisdom displays, we invite you to write to Addis Ltd., Brushworks, Hertford. You'll get one free by return.

Be wise—sell *Wisdom* REGD.

THE QUICKEST-SELLING TOOTHBRUSH

MADE BY ADDIS LTD. OF HERTFORD

FOR CHEMISTS

Richard Daniel & Son LTD.

DRUGS **SUNDRIES**

Manufacturing Chemists

PILLS · TABLETS
PROPRIETARIES

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)



Chemists' Labels
by
THOMAS WAIDE & SONS LTD
KIRKSTALL HILL LEEDS

SUCCESS OF *NEW* BOVRIL WEANING FOOD



4 VARIETIES

BEEF AND TOMATO
BEEF AND CARROT
BEEF AND SPRING CABBAGE
BEEF AND MIXED VEGETABLES

Each flavour wrapped in different coloured foil and wax paper wrapper.

The makers of Bovril have been proved right. They were convinced that mothers wanted a new type of Weaning Food. They consulted baby specialists, elaborated a formula, tested it through a group of hospitals, and recently launched the new product.

Bovril Brand Triturated Beef & Vegetable Weaning Food is accepted and recommended by doctors and clinics and is selling fast over chemist's counters.

MOTHERS BUY BOVRIL WEANING FOOD *because :*

- Baby's meal can be made in one minute.
- The prepared food is an easily digested soft and creamy purée.
- There's no possibility of food-infection.
- It is very economical, a meal for a four-month-old baby costing only ½*d.*
- It is backed by large scale, large space national advertising.

BOVRIL BRAND Triturated Beef & Vegetable

Weaning Food

RETAIL PRICE **6D**

4 CUBE PACKET

For full particulars of trade terms please write to :—
BOVRIL LIMITED, OLD STREET, LONDON, E.C.I.

Show 'Elasto'—

Elasto

THE BIOCHEMIC TABLET

It Sells on Sight!

ELASTO advertising is widespread and consistent. A steady demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. *And remember there is ONE SHILLING and SEVENPENCE PROFIT on each sale!*

Show material free on request

NEW ERA LABORATORIES LTD.
CECIL HOUSE · HOLBORN VIADUCT · LONDON

More and more people are asking for

VICHY-CELESTINS



THE WORLD-FAMOUS FRENCH SPA WATER

Bottled as it flows from the Spring



There is an ever increasing demand for Vichy-Célestins, over 40,000,000 bottles of which are sold annually throughout the world. Showcards and leaflets available to retailers on request.

Sole Agents for the United Kingdom:
Ingram & Royle Ltd., *50 Manchester St., London, W.1. also distributors of the other famous French Spa Waters — Contrexeville Pavillon, Evian and Vittel*

Our well-known range of



FACE SQUARES

is now obtainable in

WHITE, COLOURED,

JACQUARD, and also CHENILLE BORDERED

as well as our

FAMOUS BARBERS' TOWEL

UNITED COTTON MILLS LTD.

71 MOSLEY STREET, MANCHESTER, 2

GROVELAND HOUSE, BOW LANE LONDON, E.C.4

—and now a THIRD Profit-making Towel



1 SILCOT, ever in the forefront of public demand because of its quality and yet keenly competitive price. Made from cotton-wool, with soft knitted covers and securely-stitched loops. The kind of towel which women ask for time after time. Nationally advertised, Silcot advertisements are read all the time by millions of women in the leading magazines. Brings you regular profits.

2 VENSILLA, for those who want a soluble towel for convenience of disposal. A pure cellulose towel, with loops, and a soft knitted cover for a little extra comfort. Pad is of ample thickness. Meet your demand for a soluble towel with Vensilla.

3 SILPAK, the recently-announced addition to our range. A cotton-wool towel with soft plastic holder. Very comfortable in wear, safe economical, and selling at only 2/- per packet retail. Made in Size 1 only. Just the towel which many women are wanting. Silpak will bring you more sales.

SILCOT	VENSILLA	SILPAK
COTTON - WOOL TOWELS	*SOLUBLE TOWELS*	*COTTON-WOOL TOWELS WITH HOLDER*
n five sizes	*Size 1*	*Size 1*

SILCOT Sanitary Belts, all-elastic, adjustable, with metal hooks. In attractive cartons; one dozen in display outer

MACDONALD & SON, LTD., HOPE MILLS, POLLARD STREET, MANCHESTER



below surface attack

Effective treatment of "athlete's foot", "dhobie itch" and other dermatophytoses requires that the fungicide be carried to the most deep-seated spores. In 'Tineafax' Ointment the fungicides, chief of which is zinc undecylenate, are incorporated in a base of exceptional penetrating power. The advantages of 'Tineafax' Ointment and its companion product, 'Tineafax' Powder (for prophylaxis), are being detailed to doctors by letter and in advertisements in medical journals. You may therefore expect an increased demand for both preparations during the coming months. 'Tineafax' Ointment is issued in tubes of 1 oz. and jars of 1 lb., 'Tineafax' Powder in sifter-top tins containing 40 gm.

when fungus is afoot . . .

'TINEAFAX'

BRAND

COMPOUND UNDECYLENATE OINTMENT
AND UNDECYLENATE POWDER



BURROUGHS WELLCOME & CO. *(The Wellcome Foundation Ltd.)* LONDON

C



BEHIND THIS FAMOUS
TRADE MARK STANDS
OVER A CENTURY OF
SUCCESSFUL PRODUCTION

PILLS & TABLETS

GREATLY INCREASED
MANUFACTURING CAPACITY
NEW SCIENTIFIC EQUIPMENT
SKILLED PERSONNEL

COX

ARTHUR H. COX & CO. LTD.
BRIGHTON

StaffAllenS
Founded 1833

GROUND GUMS

•

TRAGACANTH
KARAYA
ACACIA

•

For well over a century we have been the leading millers of natural Gums, and are an authority on the application of the various grades to many different trade requirements.



Why not approach us for samples to your specific requirements, and advice on all questions of

MUCILAGE
EMULSIFICATION
SUSPENSION

STAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.1. CLErkenwell 1000 (7 lines)
TAS/AL 376

Now is the time to recommend 'Lorexane' Antiseptic Cream to your farming customers



This valuable fly-strike dressing does FOUR things:

- **Destroys the maggots.**
- **Heals the wound quickly.**
- **Kills flies attempting to re-strike.**
- **Clearly marks the treated sheep.**

'Lorexane' Antiseptic Cream can be recommended also for treatment of all minor wounds.

Available in tubes of 100 *grammes and jars of* 500 *grammes. Retail Prices* 2/5½ *and* 9/2 *each* (*including Purchase Tax*).

'LOREXANE' Antiseptic Cream

Trade Mark (contains 0.1% gamma BHC plus 0.1% Proflavine Hemisulphate)

—the ideal dressing for fly-strike

From your wholesaler or, in case of difficulty, apply to your nearest I.C.I. Sales Office—
London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublin.

IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED
A subsidiary company of Imperial Chemical Industries Limited **Wilmslow, Manchester**

ICI

I·h.218/2



...THE MAN WHO WOULDN'T BELIEVE A THING

Nice sort of chap, this customer of min but someone must have sold him a du rattle in his cradle.

He 'knew' Corvette wasn't any goo I told him I'd tried it myself and liked —that other customers were enthusiast about its quality. He knew that was ju sales talk. He'd heard it all before...

Try it, I told him a bit stiffly. An give him his due—he did. Back he cam in a few days whistling a vastly differen tune. Corvette was good... refreshingl good... better than anything he'd trie before. He took off his hat to Goya men's division. From then on, he sai he'd buy the stuff. And oddly enoug *I believe him.*

There's *more* profit in *Corvette*

Corvette is an exceptionally good profit-making line for the chemist. The shaving bowl earns you a profit of 1/6d, the refill and all other products in the range yield not less than 10d.

SHAVING STICK 3/- · SHAVING BOWL 5/6 · LATHER SHAVING CREAM 3/- · BRUSHLESS SHAVING CREAM 3/- · HAIR CREAM 3/6 · BRILLIANTINE 4/- · SOLID BRILLIANTINE 3/6 TALCUM POWDER 4/6 · AFTER SHAVE LOTION 4/-



Corvette



a new range of matched toilet preparations by Goya (MEN'S DIVISION)

161 NEW BOND STREET LONDON W1

powerful advertising campaign for a new line at 6D



A New Appeal

CLOR-O-FILT tablets are pleasant and refreshing to the taste, to be sucked like sweets; yet rich in Chlorophyll for dispelling breath and body odours. Attractively packed in handy rolls at the popular retail price of 6d.

Effective Advertising

CLOR-O-FILT advertisements will appear regularly in the largest circulation National Newspapers and Periodicals. Clinch sales at *your* counter with this well advertised line.

Attractive Display

12 rolls CLOR-O-FILT are packed in a compact display carton; 12 cartons to a cardboard container.

50% PROFIT ON COST — PLUS BONUS

Special Introductory Counter Display Bonus offer up to August 31st. *One dozen rolls of CLOR-O-FILT Free with every gross order.*

Retailers price including P.T. 4/-

ORDINARY		*BONUS SCHEME FOR 13 DOZ. ROLLS*	
Retailers price 3/- doz. *(Ex. P.T.)*		12 dozen	£1 . 16 . 0
Add P.T. 1/-			12 . 0
		Add P T. for 1 doz. free bonus	1 . 0
			£2 . 9 . 0
		Profit	£1 . 9 . 0

CLOR-O-FILT

1 TOWER CHAMBERS - HOE STREET - LONDON, E.17

FILL IN COUPON ON OPPOSITE PAGE — TODAY!

Pharmaceutical Emulsions and Emulsifiers

by L. M. Spalton, B.Pharm., M.P.S.

Today, the pharmacist is faced with an almost bewildering assortment of emulsifying agents, all having varying properties and requiring different methods of treatment.

In this book the considerable range of these products has been classified, together with essential practical points about their pharmaceutical use. It contains chapters devoted to the theory of the formation of emulsions, properties of different emulsifying agents (classified into groups according to their structure and characteristics), the formulation and preparation of emulsions, the general methods of preparing emulsions with details of technique and causes of emulsion separation, preservation and storage of emulsion, etc.

The practical uses of emulsifiers is dealt with at considerable length, together with methods of handling each type of emulsifying agent and full notes of incompatibilities and other matters.

The book also contains a classified index of over 300 emulsion agents used in the Drug, Toilet and Cosmetic trades and other industries, with reference to their composition, type and uses, together with an index of manufacturers.

Useful and up-to-date—this book provides essential information in concise form.

★ *Every pharmacist should possess a copy* **5/6** post free

Send remittance with order to :—

The Publisher, The Chemist & Druggist
28 Essex Street, Strand, London, W.C.2

COMPLETE THIS COUPON AND POST TODAY TO :—

PRECISION COMPRESSED TABLETS LTD.
1 Tower Chambers, Hoe St., LONDON, E.17

MANUFACTURERS OF

NATURES GREEN MAGIC DEODORANT

STOPS BAD BREATH **CLOR-O-FILT** REGISTERED TRADE MARK

CONTAINS CHLOROPHYLL

SPECIAL INTRODUCTORY COUNTER DISPLAY BONUS OFFER UNTIL AUG. 31st.

ONE DOZEN ROLLS FREE WITH EVERY GROSS ORDER

(SEE ADVERTISEMENT ON OPPOSITE PAGE)

Please supply _____ doz. rolls of CLOR-O-FILT tablets and allow the special introductory counter display bonus

P.Tax Reg. Cert. No. (if any) _____

Name of Firm _____

Address _____

Signature _____

For smaller quantities than one gross please state :—

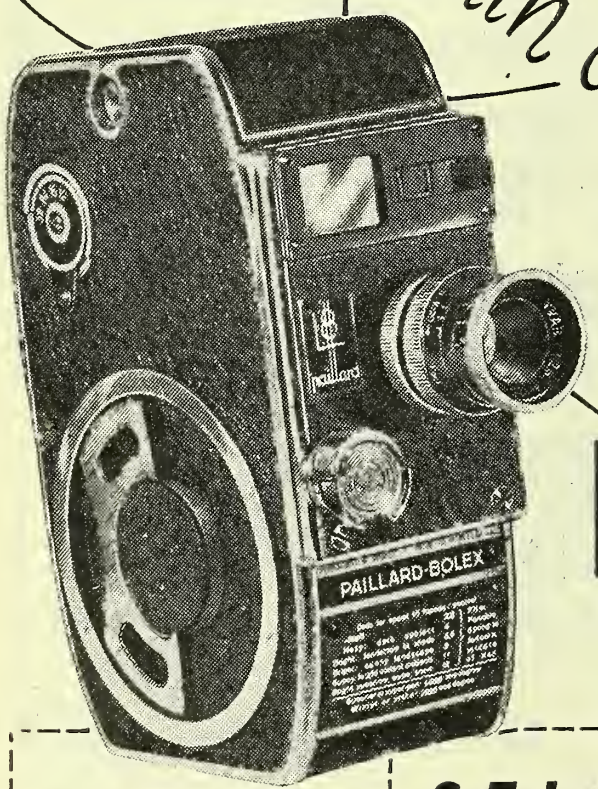
Wholesaler _____

Address _____

WHOLESALERS! PLEASE WRITE DIRECT FOR TERMS

LINK YOUR GOOD NAME

with our good name



BOLEX

the worlds *finest* ciné camera

WRITE
for full details of trade terms. The finest, most lavish sales literature in the trade, plus the highest standards of precision engineering, makes Bolex the easiest cine camera to sell.

SELL the world's finest cine camera for worthwhile extra income from a valuable new circle of customers. Bolex L8, shown here, takes the low cost 8mm size pictures that are fast outselling all others and bringing home movie making to a vast new public.

Start selling Bolex this summer and get these money spending home cine enthusiasts coming into your shop, eager for films and accessories for their hobby.

Bolex is a name they trust. Linked with yours it means good business for both of us.

Bolex paillard

CINEX LTD. *Sole U.K. wholesale distributors of Swiss precision-built Bolex cine equipment*
9-10 NORTH AUDLEY ST., LONDON, W.1. Tel: GROsvenor 6546

TABNET

BRAND

DIHYDROXY ALUMINIUM AMINOACETATE



In the Medical Management of Gastro-Duodenal Ulceration

TABNET incorporate the new buffering agent, dihydroxy aluminium aminoacetate, which exerts a rapid and prolonged control in conditions of gastric hyperacidity.

Formula : Each tablet contains :—

Dihydroxy aluminium aminoacetate 250 mgms.
Glycine .. .. 30 mgms.

Full page advertisements will appear in leading Medical Journals.

TABNET will be prescribed on Form E.C.10

General Practitioners in your area will be detailed by our medical representatives and will also be separately advised through the post.

TABNET are available in :—

Bottles of 100 ... 7/-d. plus P.T.
Bottles of 1,000 ... 62/-d. plus P.T.

CALMIC LIMITED

CALMIC LIMITED · MANUFACTURING CHEMISTS · CREWE · TEL. 3251-5

Nationally Advertised!



also in
11½d. cartons—moisture proof pack



also in
1/- cartons—moisture proof pack

In the forefront of best sellers for over 30 years and still there!

Link up now, by counter display

A "Name" and a "Standard"

SURE SHIELD SERIES REG'D REG'D BRAND SURE SHIELD

Thos. GUEST & Co., Ltd
Manufacturing Chemists
Ancoats, Manchester 4



DEMAND GROWS AND GROWS...

More and more people are realising the unique advantages of a Lastonet surgical stocking which is made to measure, and is so fine as to be invisible under ordinary stockings. If you want to share in this growing trade we will gladly send you a supply of measurement forms and display material.

MADE ONLY TO MEASURE

Lastonet

E-L-A-S-T-I-C
FEATHERWEIGHT NET STOCKING

℗ 6

LASTONET PRODUCTS LTD., Carn Brea, Redruth, Cornwall.

We invite your enquiries and orders for
DRUGS, GALENICALS,
TABLETS, OINTMENTS,
SULPHA DRUGS,
THERMOMETERS,
HYPODERMIC NEEDLES,
SURGICAL PLASTERS,
SURGICAL DRESSINGS,
SUN GLASSES,
FACE FLANNELS,
CHEMISTS' SUNDRIES
at competitive prices

BIOREX
LABORATORIES LTD.
WHOLESALE AND MANUFACTURING CHEMISTS
51, EXMOUTH STREET, LONDON, E.C.1
Telephone: TERminus 9494 and 1431

Post orders executed promptly
Daily delivery service in the Greater London Area

ONLY A STILL WILL GIVE YOU DISTILLED WATER

If you want *genuine* distilled water, there is only one way to get it —by using a still. All models have wall bracket fixing, and are automatic in operation. It would be well worth while to send for our illustrated lists. Manesty Stills give distilled water of constant purity at a very low cost.



Above: Electric Destil; output, 2 pints per hour

Right: Gas-heated OB; output, 3 pints per hour

Electric OOB; output 6-8 pints per hour

Steam-heated No. 4B; output 50 gallons per hour

MANESTY
MEANS
PRECISION-BUILT

MANESTY MACHINES LIMITED

DEPT. 5 **SPEKE** **LIVERPOOL 19**

Telephone: Hunts Cross 1972 *Telegrams: Manesty, Liverpool 19*

TABLET MACHINES · COATING PANS · GRANULATORS · MIXERS · PUNCHES AND DIES

NOW! S.R. "JUNIOR TUBE" OFFER

Your customers **are now seeing**

advertisements like this



...and really BIG spaces in really BIG papers!

We sincerely believe that this July Gibbs S.R. will have the heaviest press backing ever given to a toothpaste in this country.

★ IMPORTANT NOTICE

If our representative has not yet seen you about this offer, he will be calling shortly.

If you did not take up the offer, your wholesaler can arrange a supply of Junior tubes against a two-box order for S.R. Toothpaste.

Make sure YOUR customers SEE this offer in your shop!

GRT 12-285-100



On daily demand

The steady counter-sales of 'Tabloid' Laxative Vegetable are in themselves a striking tribute to its qualities. Over the years, demand has been created by professional and personal recommendation alone. You, as a pharmacist, will need no reminder that this is a product you can sell with confidence. Gentle and effective, it *safely* gives assistance to nature when required. Show material is available. The bonus terms continue. Bottles of 25 'Tabloid' Laxative Vegetable retail at 1/4 plus 4d. purchase tax; bottles of 100 at 3/9 plus 11½d. purchase tax.

'TABLOID' BRAND *Laxative Vegetable*
(SUGAR-COATED)

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) **LONDON**



Secundum Artem...

More than a century and a half ago, George Meggeson headed his first list of pharmaceutical products with the words "Faithfully Prepared."

To-day the accumulated experience of the House of Meggeson in the 'art' of pharmaceutical compounding and the manufacture of pastilles and lozenges is unsurpassed.

May we offer you our services in the formulation and manufacture of such specialised products? The name on the pack will be yours—the production problem will be ours.

Please address your enquiries to:

THE CONTRACTS DEPT.

MEGGESON & CO. LTD., LONDON, S.E.16





Here's a good catch!

A showcard like this, in gay colours, will catch the eyes of customers this summer

BEACH, the original sun-screening agent in a vanishing cream base, is effective not only in producing a pleasant sun tan without discomfort or inconvenience, but also in soothing irritated body surfaces when protection has been neglected. Furthermore, Beach is sold only through pharmacists.

SUN TAN CREAM

beach

RETAIL PRICE—
2/6 per tube

TRADE PRICE—
12/- per doz. tubes

SPECIAL TERMS—
5% discount on 3 doz.
7½% discount on 6 doz.
Plus 100% P.T.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

JKL

AGAR-AGAR
BALSAM TOLU ORIGINAL IMPORT
GRINDELIA HERB
HYDRASTIS ROOT
LOBELIA HERB
PAPAIN
SABADILLA SEED
SQUILLS-WHITE CUT
WITCH HAZEL LEAVES
WITCH HAZEL BARK
and all other
Botanicals, Gums, Waxes,
Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
Gresham House, 24 OLD BROAD STREET, E.C.2
Telephone: London Wall 4882, 6585, 6586
Telegrams: "Ergotine, Stock, London"
Branches in New York and Hamburg

TUNGLOSE
BRAND
PURE MEDICINAL
POWDERED GLUCOSE
(Dextrose Monohydrate)

Ask your Wholesaler

TUNNEL GLUCOSE
REFINERIES LTD.
329 High Holborn, London, W.C.1
Telephone: Chancery 6524 (6 lines)
Works: Tunnel Avenue, Greenwich

GALLIC ACID
PYROGALLIC ACID
(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)
AND DERIVATIVES
WHOLESALE AND EXPORT ONLY
J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

TANNIC ACID (Bulk Supplies Only)
AND DERIVATIVES
THE BRITISH DYEWOOD COMPANY LIMITED
19 St. VINCENT PLACE, GLASGOW, C.1

QUICK SELLING
NATIONALLY ADVERTISED
SUMMER LINE

FLYOL contains Pyrethrum and D.D.T., giving quick knock-down action and lasting effect against house flies. FLYOL has no unpleasant odour. FLYOL sells on sight at 1/3 per large bottle. FLYOL advertising in National Women's magazines ensures continuous demand throughout Summer months.
ORDER NOW and DISPLAY for QUICK PROFIT



Flyol
CONTAINING DDT

Manufactured by :—
METROPOLITAN CHEMICALS (LONDON) LTD.
Fubex Works, Sittingbourne, Kent.
Phone : Sittingbourne 851

The Cleanser for every need

LINAPOL



This universal liquid cleanser is now available for household use. Invaluable for the weekly wash, washing-up and general household cleaning. Retails in big 20 oz. bottle at 1/6.



HYDROGEN PEROXIDE

10 and 20 volumes in bottles.
A wide range of packs and labels available.

LAPORTE

LAPORTE CHEMICALS LTD., LUTON.
Telephone: Luton 4390 Telegrams: Laporte Luton.

GALE'S NUTRITIOUS TONIC

MORELIX

(Regd.)

ESPECIALLY SUITABLE FOR CHILDREN AND DURING CONVALESCENCE

Contains Liquid Malt, Vitamins A & D, Hypophosphites and Virginian Prune.

DREADNOUGHT BRAND

GALE, BAISS & CO. LTD.,
274/276, ILDERTON ROAD, S.E.15

May we quote you for—

GLAUBER SALTS B.P.

Pea Crystal and Feathery

EPSOM SALTS B.P.

Needle Crystals, Medium, Exsiccated

All grades conform to the 1948 B.P. Standard

Special Crystals matched and any degree of exsiccation to order. Packed for Home and Export

HARRIS, HART & Co. Ltd.

GREGGE STREET WORKS
HEYWOOD, LANCS.

Telegrams: Harp, Heywood, Lancs.

Telephone: Heywood 6570



CRUDE DRUGS

ESSENTIAL

GUMS OILS WAXES

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG AND SPICE IMPORTERS

DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.1

THE SYMBOL OF GRAESSER GS SALICYLATES **QUALITY AND SERVICE**



Aspirin Salicylates and Allied Products

Graesser Salicylates Ltd.

SANDYCROFT NEAR CHESTER

Phone: HAWARDEN 2125 *Grams:* Quality Chester

KATWIJK

N.V. SOCIETEIT VOOR CHEMISCHE INDUSTRIE

"KATWIJK"

KATWIJK - AAN - ZEE HOLLAND

Producers of:

CYCLOBARBITONE (ACID & CALCIUM SALT)

PENTAMETHYLENETETRAZOL (LEPTAZOL. BP)

DIPHANTOINE (PURE, SODIUM, CALCIUM)

SULPHA drugs

London Agents:

GREYER, BRECHEISEN & CO., Ltd.
BUSH LANE HOUSE, CANNON STREET, LONDON, E.C.4. Telephone: MAN 9030

Bombay Agent:
STANDARD DRUG & CHEMICAL CO., 174 Hornby Road, Fort, Bombay

Calcutta Agent:
H. D. NAG, 36 Beniatola Lane, CALCUTTA

Madras Agent:
THE DOLLAR CO., 337 Thambu Chetty St., G.T. MADRAS

LACTOL HAS NO RIVAL



There is no substitute for Sherley's LACTOL which is the nearest thing to bitch's milk ever produced. Stock LACTOL and your SALES are certain, your PROFITS are certain, your GOODWILL is assured. Retailing at 3/6, 10/6, Kennel Size 37/6.

OTHER SHERLEY WINNERS

You can make BIG profits, too, from these other SHERLEY winners: Sherley's YEAST TABLETS, Sherley's TAPEWORM TABLETS, Sherley's ROUNDWORM CAPSULES, Sherley's CANKER POWDER in the puffer tins, Sherley's CANKER LOTION Capsules, Sherley's LIQUID SHAMPOO, Sherley's CREAM SHAMPOO FOR DOGS.

Full details from:

A. F. SHERLEY & CO. LTD., 16-18 MARSHALSEA RD., LONDON, S.E.1



Selling Vacuums?

There's nothing to it . . . if you're selling FREEZHEATS



It's a picnic . . . a piece of cake . . . a pushover for heavy, steady turnover—because we Freezheats meet *every* customer requirement, and offer *extra* handsome features as well! Ask the Eskimos . . . enquire in Ecuador . . . You'll find that FREEZHEAT is the 'buy-word' for vacuum users all over the world.

FREEZHEAT Vacuum Flasks

For hot news and cold facts about this fascinating family, write for full details of the Freezheat range to:—

THE BRITISH VACUUM FLASK CO. LTD., Lissenden Works, Gordon House Rd., N.W.5.

RETAILS AT 6D.

THE LIPTOL

SEMI-CREPE TOILET ROLL

(attractively banded)

WHOLESALE:

44/- Per Gross

Carriage Paid

Samples on request

LIPTON'S PAPER MILLS

LIMITED

DEVONSHIRE WORKS,

DUKES AVENUE, CHISWICK,

W.4

Telephone : Chiswick 3600 (8 lines)

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

SURGICAL BELTS

TRUSSES AND SUNDRIES

Over 50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm

AMPOULES

Ampouled Injections and Powder Ampoules in large or small quantities. Specialist production under experienced Chemical and Medical supervision.

MARKWELL, EDWARDS & CO. LTD.

589 HIGH ROAD, LONDON, N.12. Hillside 5806

Telegrams: Ampuls, Norfinch, London

IS IT A POISON ?

For quick and easy reference use the 'C & D' POISONS GUIDE. Vol 1

Price £1, postage 6d. extra

THE CHEMIST AND DRUGGIST

28 ESSEX ST., STRAND, LONDON, WC2.

BLYTON ASTLEY & CO., LTD.

Makers of "Doctor's Catarrh Pastilles", "I.G.T Safeguards" · "Menthells" · "Digestells" and a variety of Pastilles and Lozenges offered in bulk or as "own name" packs.

Eagle Laboratories

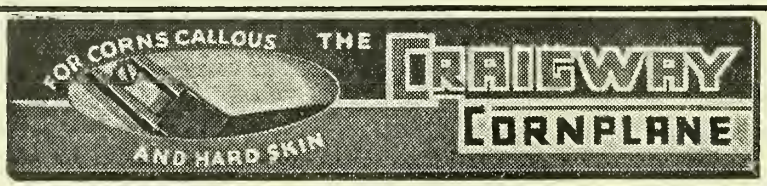
LOWER BROUGHTON, SALFORD 7, LANCS.

POTASSIUM METABISULPHITE

CITY 4243

ALWAYS IN STOCK

L.R.B. PEARCE LTD., 3 BUCKLERSBURY, LONDON, E.C.4



The remarkable success of the "Craigway" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL!

Individually packed in cartons

DISPLAY CARD OF 18

RETAIL 2/3 *PRICE*

15/4 per doz. plus Purchase Tax

Usual discount to Wholesalers

Sole Distributors :

CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Surrey

Phone : Wallington 3694

AEROMATT

CITRIC ACID

CITRIC ACID ANHYDROUS

PRECIPITATED CALCIUM CARBONATE

SODIUM POTASSIUM TARTRATE

POTASSIUM BICARBONATE

JOHN & E. STURGE LTD.

1 WHEELEYS ROAD · BIRMINGHAM 15

These compact counter units come with your next order for EVAN WILLIAMS *Toning Packs*

★★★★★★★★★★★★★★★

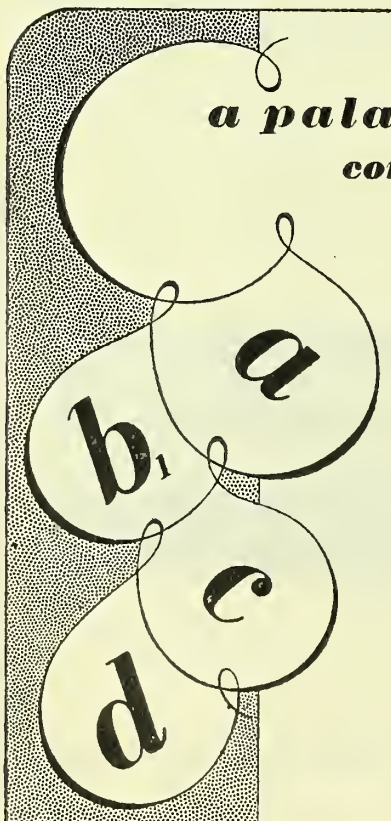
Evan Williams Toning Packs are the only hair brighteners that women can use with confidence in the knowledge that they are absolutely safe and improve both tone and texture of dull faded hair.



EVAN WILLIAMS CO. LIMITED
Sales Dept., Aintree Road, Perivale, Middlesex

---

a palatable liquid preparation—
containing the principal vitamins in an orange base



A LIQUID PREPARATION intended for use in conditions in which the need for vitamins is above the average. The form in which it is presented makes it ideally suitable for children; also for adults in febrile illnesses, or in infectious or other conditions of the pharynx where there is difficulty in swallowing.

FORMULA *One teaspoonful (3·5 cc) contains:*

VITAMIN A	*2,500 i.u.*	VITAMIN C	*10 mg.*
VITAMIN B_1	*0·5 mg.*	VITAMIN D	*375 i.u.*

PRICES

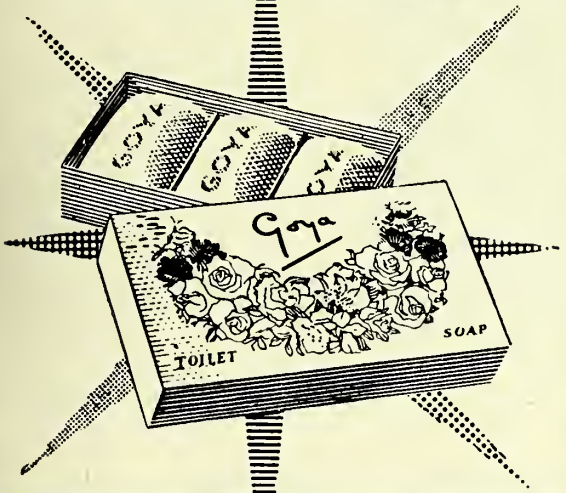
	Retail	Chemists	Wholesale
6 FLUID OUNCE:	*3/9 each*	*30/- doz.*	*26/3 doz.*
40 FLUID OUNCE:	*24/- each*	*16/- each*	*14/- each*

Vitavel Syrup

VITAMINS LIMITED, UPPER MALL, LONDON, W.6

GOYA GIMMICK ★ No. 4

Holidays are in the air and as this month's gimmick says : " Everyone likes a *special* soap to take on holiday. So feature GOYA soap with your displays of holiday requisites (and suggest it as an extra sale when holiday purchases are made) ". GOYA soap retails at 1/8 a 3 ounce tablet. Trade price, 12/- a dozen.



TOILET SOAP BY

Goya

161 NEW BOND STREET, LONDON, W1

★ WHAT IS A GOYA GIMMICK ?

Any good sales idea. Send *your* ideas to Goya and win a two-guinea prize. Gimmick No. 4 came from K. Light, M.P.S., of Messrs. H. S. Martin & Co., Church Street, Weybridge.

KILLS
-and goes on Killing!

SELLS
-and goes on Selling!

THAT'S PERMINEX DDT



PERMINEX is a powerful, persistent insecticide containing DDT. Packed in sealed " puffer " tins, each individually cartoned, it comes to you in attractive display outers containing 1 dozen for window or counter display.

The patent blower in the bottom of each tin sprays the powder into crevices and holes or wherever needed.

Perminex retails at 1/- per tin and shows a profit of 33⅓%. Minimum carriage paid quantity, 4 dozen tins.

Write for details to:

SCOTT & TURNER LTD.,

ANDREWS HOUSE, NEWCASTLE-ON-TYNE 1.

PX1/d3/52



PRICE
PER
CARTON
7/6
PLUS TAX
★

'CLINBRITIC' CORN CAPS

A medicated plaster, unsurpassed for removing corns painlessly.

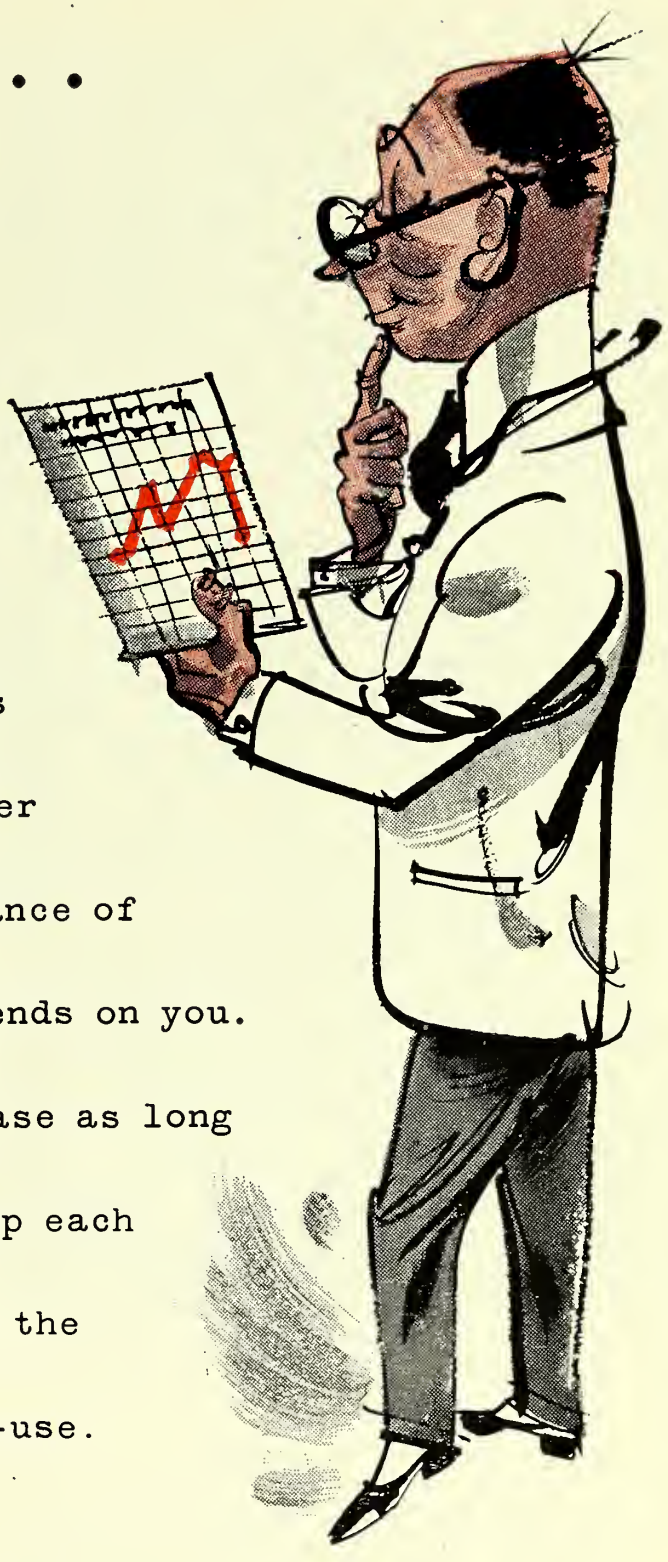
Packed in new attractive counter display cartons, each containing 1 dozen boxes of 6 plasters.

BRITTON MALCOLM & CO. LTD.
38 SOUTHWARK BRIDGE ROAD, LONDON, S.E.1. WATerloo 4374-6

BM

D E P E N D A B L E

a case history . . .



. . . essential for the health of trade. Owing to an acute case of raw material shortage, a chronic lack of containers has set in . . . to endanger your future supplies. Chance of recovery in this case depends on you. Give every C.R.S-marked case as long a history as possible—keep each container carefully until the C.R.S van collects for re-use.

CONTAINER *recovery service*

IT MUST COME BACK C·R·S

S.P.D. LIMITED, 3-5 SALISBURY SQUARE, LONDON, E.C.4

CRS 91-1062-100



"All right for Cyclohexyl benzothiazyl sulphenamide, Sir?"

Few motorists could answer this. Yet this chemical is one of a group of rubber accelerators produced by Monsanto. It is used in the vulcanisation of natural or synthetic rubber, making the process faster and more economical.

You'll find Monsanto serving hundreds of other industries, too — performing hundreds of different services. For example . . .

BASIC CHEMICALS FOR PHARMACEUTICALS

Monsanto is responsible for many vitally important contributions to industry. These include the development of basic chemicals on which the pharmaceutical industry can rely completely.

Monsanto is the largest producer of acetyl salicylic acid and possesses years of experience in the manufacture of this chemical. Precise, unvarying standards mean that Monsanto's aspirin is of the highest quality, consistent and reliable. Tabletters buy Monsanto aspirin because they know that its quality is well within the exacting standard of the British Pharmacopœia.

As well as powder and crystal forms of acetyl salicylic acid B.P., Monsanto supply aspirin in granular form ready for direct tabletting — known by the Registered Trade Mark of ASPIRGRAN.

Other Monsanto pharmaceutical products include:—

PHENOL B.P.

SALICYLIC ACID B.P.

SALICYLIC ACID *(technical)*

SALICYLAMIDE

METHYL SALICYLATE B.P.

SODIUM SALICYLATE B.P.

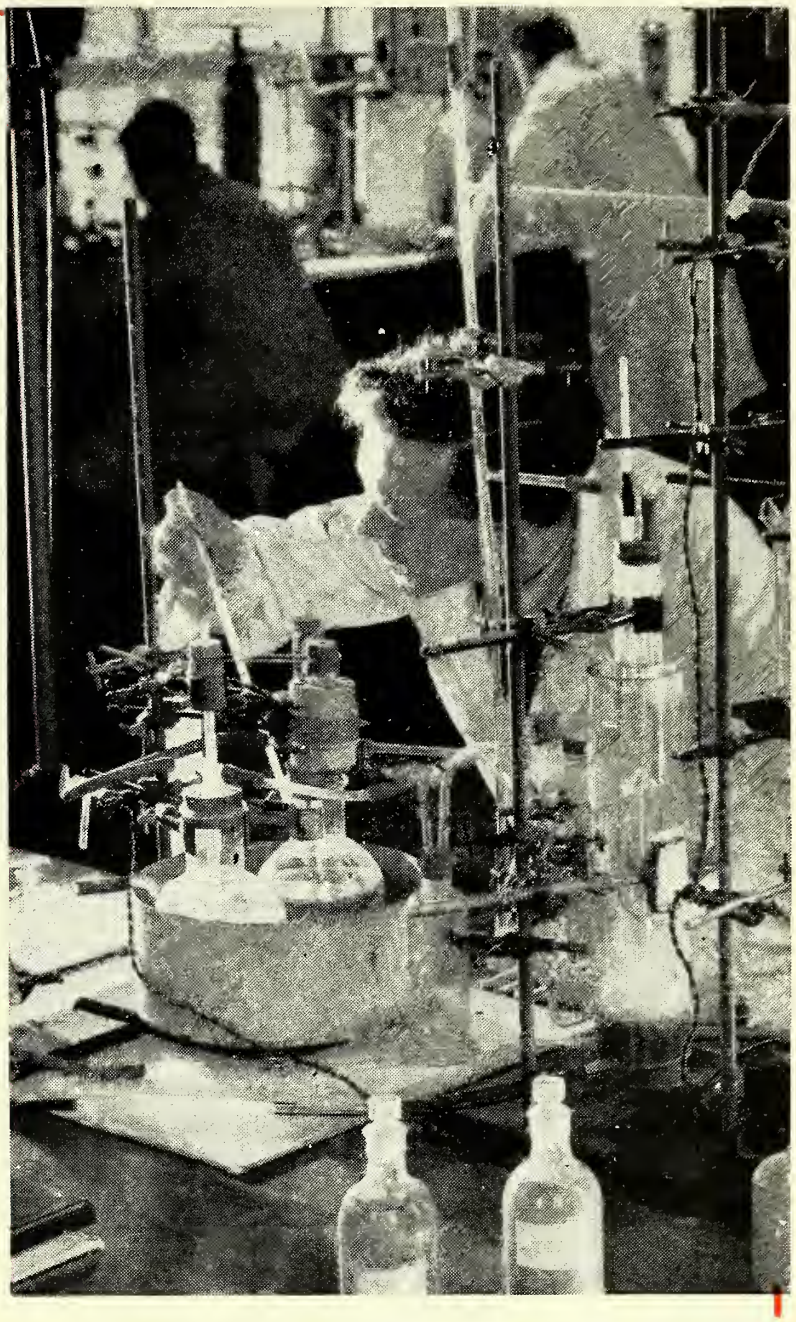
BENZOIC ACID B.P.

SODIUM BENZOATE B.P.

PHENACETIN B.P.

— and a range of germicides.

The General Chemicals Department of Monsanto Chemicals Limited will be pleased to give you further information.



Consistently high quality of all products is maintained by constant checking at Monsanto's laboratories.

MONSANTO
CHEMICALS — PLASTICS

MONSANTO CHEMICALS LIMITED,
Allington House, Allington Street, London, S.W.1

In association with: Monsanto Chemical Company, St. Louis, U.S.A.
Monsanto Canada Ltd., Montreal
Monsanto Chemicals (Australia) Ltd., Melbourne
Monsanto Chemicals of India Ltd., Bombay.

Representatives in the world's principal cities.

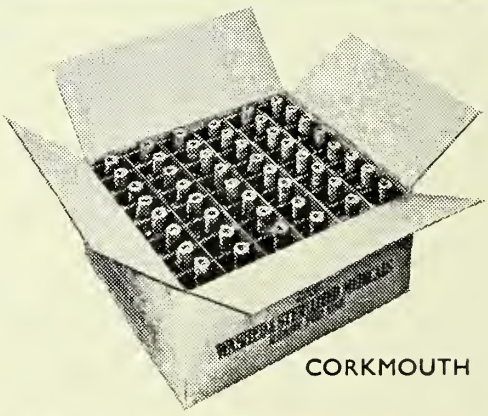
The Complete Service

WASHED AND STERILIZED READY FOR USE





FITTED KORKALITE, MOULDED OR ALUMINIUM CAPS



CORKMOUTH

UGB

UNITED GLASS BOTTLE MANUFACTURERS LTD.

8 LEICESTER STREET. W.C.2

GERRARD 8611 (18 Lines) *Grams:* UNGLABOMAN LESQUARE, LONDON

LIFEGUARD LEADS

to healthier profits

LIFEGUARD

leads in home protection

THE SUPREME DISINFECTANT



STOCK IT — SHOW IT PROF-IT

11,000,000 WOMEN
WILL SEE THIS ADVERTISING



Regular advertising in all the women's weekly and monthly publications is building up a big demand for these Adelaide Grey Proprietaries. Order a stock today.

WAX-A-WAY & COOLWAX DEPILATORIES

'Laleek' Wax-a-Way recommended for facial treatment is definitely the most satisfactory Wax Depilatory marketed today. It retails at 8/7 including Tax.
'Laleek' Coolwax is for use on the arms and legs. Economical to use and most effective. Retails at 5/9 including Tax.

LONGLASH & EYE COSMETIC

Adelaide Grey's 'Laleek' LONGLASH, famous for years as the leading line in the field, retails at 2/1. 'Laleek' Eye Cosmetic attractively packed in its new round container complete with brush, retail 4/6, is rapidly growing in popularity.

Adelaide Grey

BEAUTY PREPARATIONS

ADELAIDE GREY, 30 OLD BOND ST., LONDON, W.1

HERE THEY COME

The Family Favourites in a **NEW PACK!**



Simpkins

LEMON flavoured
Sore Throat Tablets

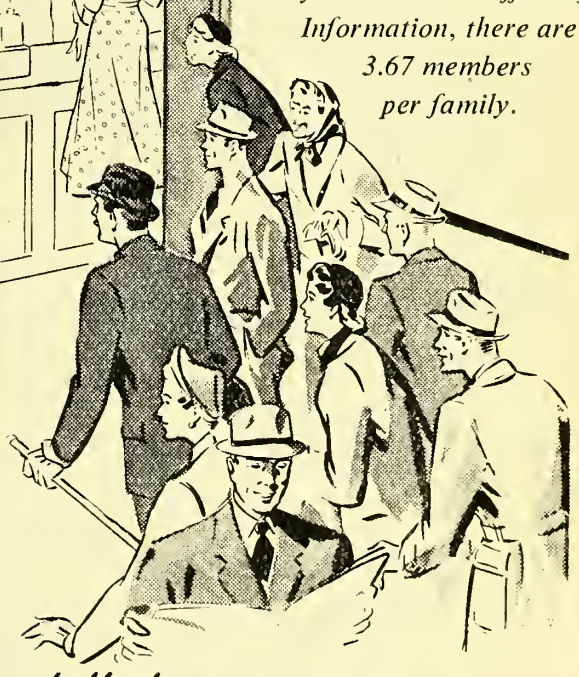
A tested and proved formulation, refreshing an palatable. Pleasant to take and most efficient i action. Repeat sales certain from satisfie customers.
Packed in jars each containing 6 dozen roll retailing at 7½d. per roll (inc. purchase tax).
Price to chemists 4/- per doz. (plus P. tax 1/ i.e., 24/- per jar (plus P.tax 8/-)

Simpkins of Sheffield

Nearly 24,000,000 pairs of eyes will see Optrex in the RADIO TIMES

The Nation's Shop Window





See your sales soar! On a modest estimate of three readers per copy, this Optrex advertisement will be seen by nearly 24,000,000 men and women potential purchasers. *(Vide The British Household Social Survey 1947, published by the Central Office of Information, there are 3.67 members per family.*

The pages of the RADIO TIMES are referred to repeatedly in 60% of the homes of Great Britain from Friday till Saturday of the following week. This concentrated readership inevitably results in an increased nation wide demand for products advertised in the RADIO TIMES. Meet this demand with adequate stocks.

Stock and display goods advertised in the

RADIO TIMES

Member Audit Bureau of Circulations

Sells Limited, Brettenham House, Strand, W.C.2.

Still the most reliable remedy for Rheumatism

For nearly 40 years Curicones has been kept abreast of medical research. With its present formula, it is certainly the most reliable general remedy you can recommend to Rheumatic sufferers.

And its advertising is never allowed to get in a rut. Now that it is being stepped up in volume, watch Curicones sales begin to grow. Never let yourself run out of stock of either the 5/6 or 26/5 size.

We still have small supplies left of our novel " weather indicator " showcard. It is most effective and surprisingly accurate. Send us your name and address for one and see the interest it attracts.

CURICONES

AND P.A.T.A.

STEPHEN MATTHEWS & CO., LTD.,
19/21 Farringdon Street, London, E.C.4

EXPORT
Telephones:
Terminus 1617, 1618
Telegrams:
" Serlsurg, Smith, London "
Cables:
A.B.C. and Bentleys.

A. SEARLE & Co.

WHOLESALE
Cables:
Serlsurg-Smith, London

SERLANCO HOUSE, 245, ST. JOHN STREET,
CLERKENWELL, LONDON, E.C.1



Snake-Bite Lancet



Sardins Eye Loop



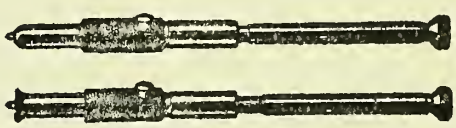


Serlzone Crystal Reservoir Douche, in White Japanned Metal Frame, 2, 3 and 4-Pint

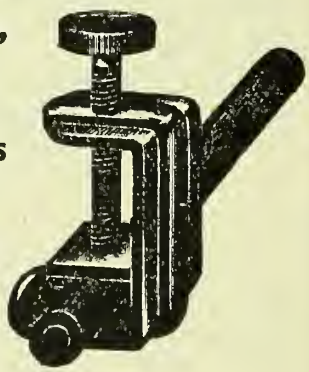
British Surgical and Dental Glassware

Solution Jars, Bowls, Boxes, Dressing Jars, Etc.

Stainless Steel Instruments



Automatic Blood Lancet,
" Push-Button " Release
No. S.P. 100. Acorn Tip
No. S.P. 101. Cup Shape Tip



" SERLZONE " regulating Tubing Clip

THEY ALL BUY . . .

Flexoplast BRAND Regd

FIRST-AID DRESSINGS FLEXIBLE AND WATERPROOF



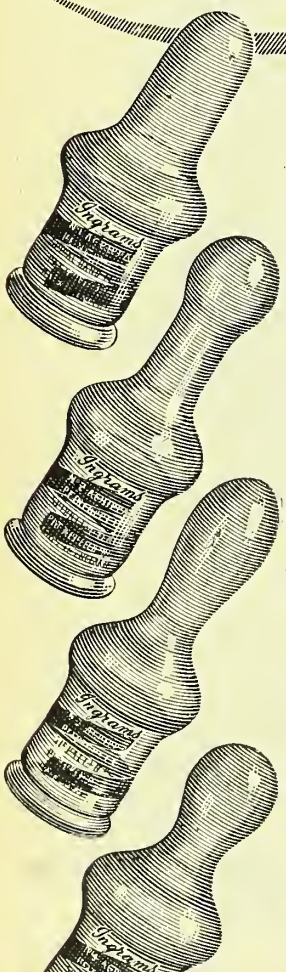
For Cuts
Small Wounds
Burns · Abrasions
Bruises · Sore Heels

Obtainable from all wholesalers.

T.F. 139

A PRODUCT OF EDWARD TAYLOR LTD · MONTON · LANCS

A new Ingram's teat for 8d



This new teat in finest rubber, combines all the famous Ingram safety features. It will withstand repeated sterilization in boiling water and is **TESTED FOR FLOW.** Available in four distinct shapes, individually packed in attractive display cartons, these new teats deserve the most prominent display.

Commencing August next an intensive advertising campaign in leading women's journals will be read by hundreds of thousands of potential customers. Prepare now by ordering ample stocks of Ingram's latest spiral teat.

Ingram's EXCLUSIVE SPIRAL TEAT 8d

ENSURES *safe* FEEDING



MORRISONS & RALPH, BARRHEAD, SCOTLAND

DISPLAY OUTER WITH PROVED SALES RECORD



Backed by personal advertising to 7,000,000 readers weekly, this high-powered Besorbon display outer *sells on sight.* Big sales increases prove it. Used and trusted for 50 years, Besorbon, the year-round preventive remedy for Colds, Catarrh, Hay Fever, makes money for every chemist who displays it.

Stocked by principal wholesalers throughout the British Isles

BESORBON

KEMSALES LTD., 20 EASTCHEAP, LONDON, E.C



A SUPER SALESMAN FOR HALEX TOOTHBRUSHES

Here's a brilliant new sales-drawing pack for your counter! Each dozen bubble-packed Halex toothbrushes will shortly be reaching you in one of these superb new dispenser cartons—all set for counter display. Clearly marked with retail selling prices, the cartons are in three colours—blue for children's brushes, red for bristle, yellow for nylon. They're on their way—be sure to make the most of them on your counter!

HALEX *the only toothbrush that's* ***RONDATED*** Regd.

HALEX LIMITED, HIGHAMS PARK, LONDON, E.4.

CORK LINED SLEEVES

CORRUGATED PULL-THROUGH BOXES

Compressed Paper Packing Limited

Horton Road - West Drayton - Middlesex

Telephone: WEST DRAYTON 2237



"WEBSTER'S"

STAINLESS STEELWARE

Specialists in modern equipment for manufacturers, i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

ISAAC WEBSTER & SONS, LTD.

ABBEY WORKS, KIRKSTALL, LEEDS

Phone : 51580 Leeds. Grams : Isaac Webster, Kirkstal

For British-made

AMPOULE FILES

PLATED

Consult

DOMINION STEEL CORPORATION LIMITED

"FLEET" WORKS, QUEEN'S ROAD, SHEFFIELD, 2

F. SCHUTZE & Co., LTD.

ESTABLISHED 1882

For **"MASTER" BRAND SURGICAL TRUSSES**

SUSPENSORY BANDAGES

JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA or SILK, plain or fancy, wide range of designs. Own bottles wickered at moderate cost

Black Bull Works, Market Road

London, N.7

ALL COTTON WOOL PRODUCT OF REPUTE

Consoluxe
Patent No. 410702
egistered)

SUPERFINE QUALITY
L WOOL SANITARY TOWELS

LOOPED ENDS
NON-ABSORBENT BACK
WHOLESALE ONLY

OBERT BAILEY & SON, LTD.
SURGICAL DRESSINGS MANUFACTURERS
SART STREET, GREAT MOOR, STOCKPORT
: STEPPING HILL 3006/7 Grams: "UNDISPUTED" STOCKPORT

RSONAL WEIGHING MACHINE

NO LOOSE WEIGHTS



ty 24 stone X 1 oz.
ns.
ed steel knife edges
arings.
es with local Weights
easures regulations.
d in white enamel.

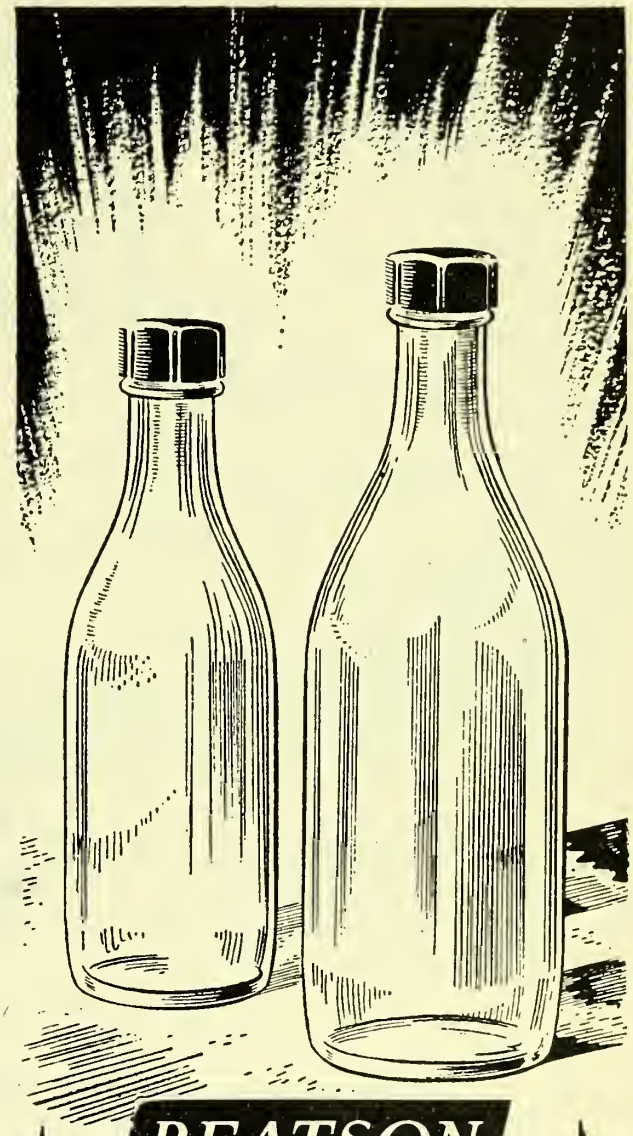
lso available

BINED BABY &
OLER WEIGHER

ty 60 lbs. X ½ oz.
ns. No loose weights.
large Baby Basket
ic and easy to clean
d in white enamel

send for illustrated leaflet.

ERBERT & SONS LTD
HARTERHOUSE STREET, SMITHFIELD, E.C.1
Telephone: CLErkenwell 2812 (6 lines)



BEATSON

BAKELITE CAPPED

Champagne Oils

These bottles greatly enhance the presentation of packed oils. They are available in 2½ oz., 5 oz., 10 oz., and 20 oz. capacities.

TRADE MARK REGISTERED

BEATSON CLARK & CO., LTD.
Glass Bottle Manufacturers
ROTHERHAM *Est. 1751* YORKS

BC75

Give them TOP PLACE!

FENNINGS' CHILDREN'S Cooling Powders

A good product, with a good demand—well known, and well advertised. Tried and proved by mothers for generations.

Retail at 1/9, 4/3 or 2 powders for 2½d.

FENNINGS' LITTLE HEALERS

How many customers do you serve each week? . . . and how many of those have colds or coughs. At this time of the year, especially, Fennings' Little Healers should be at your fingertips. **Retail price 8d., 1/9 and 4/-.**

Two famous lines which will help your turnover and your customer. ***Give them top place when ordering supplies from your wholesaler.***

Fennings' HOME REMEDIES

Fennings' Sulphur Powders
Fennings' Ointment
Fennings' Indigestion Tablets
Fennings' Rheumatic Tablets
Fennings' Children's Cooling Powders
Fennings' Adult Cooling Powders
Fennings' Little Healers
Fennings' Whooping Cough Mixture
Fennings' Fever Mixture

Sales promotion material gladly sent on request.

ALFRED FENNINGS · HORSHAM · SUSSEX

"LIVEROID"

Preparation of Liver

A concentrated preparation of the uncoagulated juice of liver, fortified with iron and glycerophosphates.

"LIVEROID" IS EMINENTLY SUITABLE FOR THE TREATMENT OF
Pernicious Anaemia and all forms of Megalocytic Anaemia characterised by a high colour index.

Normocytic or Secondary Anaemias due to loss of blood.

Microcytic Hypochromic Anaemias in which iron therapy combined with liver is desirable.

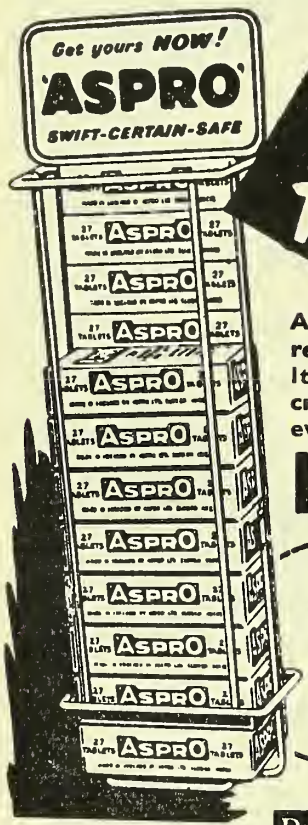
General Debility, Neurasthenia or weakness.

"LIVEROID" IS PLEASANT TO TAKE AND IS EASILY ADMINISTERED IN THE CORRECT DOSAGE

LITERATURE GLADLY FORWARDED UPON REQUEST

OXO LIMITED (Medical Dept.)
Thames House, Queen St. Place, London, E.C.4. *Phone:* Central 9781

Some displays are PASSIVE



HERE'S ONE THAT'S ACTIVE!



Are you using the new handy-to-use 'ASPRO' Silent Salesman? If not, our representative will be pleased to fix one for you when next he calls.
It is an ACTIVE display in the sense that it is not a mere reminder but actually creates sales. Placed prominently at eye level it catches the attention of every customer.

KEEP IT FILLED-IT MAKES SALES!

Have you noticed the NEW STYLE

'ASPRO' ADVERTISING?

—THE PUBLIC HAVE!

PATA

Made by ASPRO LIMITED, Slough, Bucks

ASPRO



The Silky Soft Absorbent Tissue that is preferred

Vanity

HANKIE TISSUES

RETAILS FROM 1/6d.

Tissues have come to stay—it's just a case of selling the BEST to make and keep customers. VANITY are produced by THE PAPER SPECIALISTS — packed attractively and come to you in display cartons worthy of your windows and counters.

POCKET PACK for Travel, School, etc. (24 large size White Tissues) 4d.

BOUDOIR CARTONS (100 in White or assorted Pastel colours) or Cellophane Wrapped 100 and 180; assorted shades if required.

FREEDER BROTHERS PAPER MILLS
BRIMSDOWN, ENFIELD, MIDDLESEX

Telephone: Howard 1847 (3 lines)
Telegrams: Sylkocrepe, Enfield, Middlesex

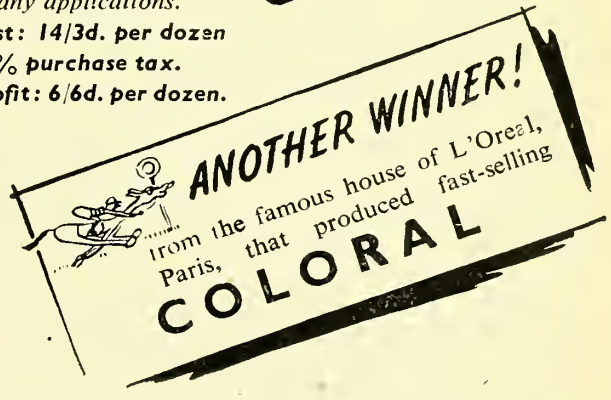
It really has caught on!

The new line in the new, unique pack — shake it — and watch its fascinating Silken Swirl!



Every care was taken in *advance* to make this a winning line. Product, pack and advertising were planned together—to ensure that a good product was strikingly presented and backed with the strongest possible selling effort. That policy is paying — big sales are being made all over the country and the selling pressure is being kept up.
11,000,000 women are reading about TRESS regularly in the biggest circulation Women's journals. Have you ordered from your wholesaler yet ?

TRADE PRICES
Sells at 2/11d. per bottle, giving many applications.
Your cost: 14/3d. per dozen plus 100% purchase tax.
Your profit: 6/6d. per dozen.



TRESS

SETS, CURLS, CONDITIONS the hair

Marketed by: GOLDEN LIMITED, 2/4 DEAN STREET, LONDON, W.1. *Tel: GERrard 4926*

ROTER

ROTER TABLETS & ROTERCHOLON

We are pleased to announce that limited supplies of all sizes are expected to be available from about the middle of July.

Pharmacists are kindly requested to send in their orders through their usual wholesale channels.

F.A.I.R. LABORATORIES LTD

179 HEATH ROAD, TWICKENHAM, MIDDLESEX

MOSELEY

HAND MADE

HOT WATER BOTTLES

Last for years



Hand-made type bottles reinforced with fabric (strongly preferred by hospitals and discriminating buyers) available in red or white. Moulded hot water bottles also available in blue, green or red.

Further details and terms from :—

DAVID MOSELEY & SONS LTD., ARDWICK MANCHESTER, 12

55 NEW BOND STREET, LONDON, W.1

4 GEORGE ROAD (ISLINGTON ROW) EDGBASTON, BIRMINGHAM 15

EST. 1833

MB.

The Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2
Telephone : Central 6565 (10 lines) *Telegrams : "Chemicus, Estrand, London"*
Classified Advertisements must be prepaid. **For rates see sectional headings**

ORRIDGE & COMPANY

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS
WHOLESALE AND RETAIL

184 STRAND, W.C.2. **Tel. : TEMple Bar 9212/3 & 6340**

BRANCHES

BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Basset, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland
Tel.: Belfast 27078

BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d. per word. Box 2/-

DRUG STORE. D.F. shop, side entrance. Takings £2,865 per ann; nett profit £14 per week; addition of C.F. and N.H.S. would considerably increase. First-class accommodation. 3 bedrooms, tiled bathroom, dining room, lounge, kitchen fitted with refrigerator, cooker, Ascot heater and stainless steel sink unit, large garage, phone installed. Price for goodwill, fixtures and fittings, £1,800, s.a.v. plus £1,750 for 46 years leasehold property, ground rent £7 per ann. Call to view 155 Coppermill Lane, Walthamstow. C 2296

MODERN DRUG STORE. Main road position Stoke-on-Trent. Takings approx. £3,500. Also small modern house, with garage next door. Reasonable price for quick sale. Apply 41-43 Victoria Place, Fenton, Stoke-on-Trent. Phone 44869. C 2306

NORTHANTS. Northampton ten miles. Pharmacy and grocery business, established and in the same family for 150 years, together with full off-licence, the businesses being carried on in separate departments. Excellent living accommodation, extensive outbuildings and large garden. Takings exceed £13,000 per annum. Owner retiring and immediate sale desired. Property would be sold or let on lease. Goodwill, fixtures and fittings approximately £3,000 plus stock at valuation approximately £2,500. Full particulars from Legge & Sismey, F.A.I., Chartered Auctioneers and Estate Agents, 14 Castilian St., Northampton. Telephone Northampton 50 (3 lines). C 2301

BUSINESSES WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

PHARMACIST REQUIRES CHEMIST'S or allied business, Northumberland or Tyneside area. Early succession considered. Willing to pay for information leading to establishment of a new business. Wardle, 141 Beaconsfield St., Newcastle-on-Tyne, 4. C 2307

APPOINTMENTS

18/- per half-inch (min.) and pro rata. Box 2/-

BARNET GENERAL HOSPITAL, BARNET, HERTS.

APPLICATIONS are invited for the appointment of ASSISTANT IN DISPENSING from persons holding the Apothecaries' Hall Certificate. Salary on Whitley Scale according to experience.
Applications, stating age, qualifications, experience, and giving names of two referees, to be sent to Hospital Secretary. C 129

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE ST. LEONARD'S HOSPITAL

NUTTALL STREET, LONDON, N.1
180 BEDS. GENERAL

Applications are invited from those suitably qualified for the two appointments:—
1. PHARMACIST now vacant.
2. PHARMACIST vacant September.

Salary depending upon age and experience between £450 x £25—£575 p.a., plus London Weighting and conditions in accordance with Whitley recommendations.
Successful candidate Post I will be required to allocate part time to duties at St. Matthew's Hospital (Chronic Sick).
Applications, giving details of age, experience, qualifications, with names of two referees should reach the Group Secretary, 213 Kingsland Rd., London, E.2, by Saturday, 26th July. C 9230

HOSPITAL MANAGEMENT COMMITTEE, HACKNEY GROUP

APPOINTMENT OF PHARMACIST

Applications are invited for the appointment of PHARMACIST at Hackney Hospital, London, E.9, and should be sent to the Group Secretary at that address immediately. Whitley Council scale and conditions of service. C 9231

Appointments Continued

CROWN AGENTS FOR THE COLONIES

SUPERINTENDING PHARMACEUTICAL CHEMIST required by the Medical Department of the Federation of Malaya. Commencing salary (including expatriation pay) is payable in local currency equivalent at the present rate of exchange to £700 rising to £1,652 a year. Cost-of-living allowance of between £336 and £707 according to salary and marital status. Free first-class passages. Appointment will be on agreement for three years in the first instance with prospects of permanent and pensionable employment. Liberal leave on full salary. Candidates under 35 must possess the Diploma of Pharmaceutical Chemist of the Pharmaceutical Society of Great Britain and have had at least one year's experience (after registration) in teaching, hospital or manufacturing pharmacy. Apply at once by letter, stating age, full names in block letters and full particulars of qualifications and experience and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting on letter M.32084.G. The Crown Agents cannot undertake to acknowledge all applications and will communicate only with applicants selected for further consideration. C 9227

CROWN AGENTS FOR THE COLONIES

PHARMACIST (MALE OR FEMALE) required by the Government of Tanganyika for the Medical Department. Commencing salary (including present temporary allowance of 25%) according to qualifications and experience, in the scale:—Male £712 rising to £1,050 a year; Female £570 rising to £840 a year. Free passages. Outfit allowance up to £45. The appointment will be on probation for permanent and pensionable employment. National Health Service superannuation rights can be preserved. Leave on full salary after each tour of 24 to 36 months. Candidates, between 25 and 35 years, must possess one of the qualifications of the Pharmaceutical Society of Great Britain and have practical knowledge of stores management, manufacture of galenicals, hospital routine (including the keeping of records and correspondence and surgical instruments). Apply at once by letter, stating age, full names in block letters, and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting on letter M.28014.G. The Crown Agents cannot undertake to acknowledge all applications and will communicate only with applicants selected for further consideration. C 9228

KENT AND CANTERBURY HOSPITAL, CANTERBURY

SENIOR PHARMACIST required for the Group Pharmaceutical Department. This post offers excellent experience in all branches of pharmacy. The department services the Canterbury Group, comprising twelve hospitals with a total of 1,010 beds. Salary (Category 3 hospital) £525 x £25 (4)—£625. Applications, with full details and copies of three recent testimonials, to be forwarded within ten days of the appearance of this advertisement to the Group Secretary, Canterbury Group Hospital Management Committee, Central Office, Nunnery Fields Hospital, Canterbury. C 9198

CANTERBURY GROUP HOSPITAL MANAGEMENT COMMITTEE

LOCUM PHARMACIST required for Group Pharmacy situated at the Kent & Canterbury Hospital, Canterbury, for the period August, September, October. Applications for part period considered. Salary up to 13 guineas per week according to qualifications and experience. Applications, giving details of qualifications and experience, to be forwarded to the Group Secretary, Nunnery Fields Hospital, Canterbury, immediately. C 9199

CROWN AGENTS FOR THE COLONIES

PHARMACIST (MALE) REQUIRED by the Government of Uganda for the Medical Department for one tour of 30 to 36 months in the first instance with prospect of permanent and pensionable employment. National Health Service Superannuation rights can be preserved. Commencing salary (including temporary allowance) according to age and qualifications in the scale £712, rising to £1,250 a year. Outfit allowance £30. Free first-class passages. Liberal leave on full salary. Candidates not over 40 years of age must possess one of the qualifications of the Pharmaceutical Society of Great Britain.

Apply at once by letter, stating age, full names in block letters and full particulars of qualifications and experience and mentioning this paper, to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting on letter M.30882.G. The Crown Agents cannot undertake to acknowledge all applications and will communicate only with applicants selected for further consideration. C 9234

CRUMPSALL HOSPITAL, MANCHESTER, 8

(Adult General, 1,225 Beds)

Applications are invited for the post of Assistant Pharmacist at this Hospital. Salaries and conditions of appointments in accordance with Whitley Council awards, and subject to the National Health Service (Superannuation) Regulations 1950. Applications, stating age, nationality, details of experience, together with the names and addresses of two referees, are to be sent to the undersigned as soon as possible, marking envelope "Assistant Pharmacist," Dept. "C.D."

A. T. SAMPSON,
Secretary to the Committee.
C 9197

NORTHERN GROUP HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the post of PHARMACIST at the ROYAL NORTHERN HOSPITAL.

This is a busy general hospital (Category 5) offering varied experience in the Pharmaceutical department.

Salary £450 x £25—£575 (plus London Weighting) and higher qualification allowance where applicable.

Applications with references or names of two referees to the Secretary, Northern Group Hospital Management Committee, Royal Northern Hospital, Holloway, London, N.7. C 128

ROYAL BERKSHIRE HOSPITAL, READING

ASSISTANT IN DISPENSING required. Holders of Apothecaries' Hall Certificate preferred. Write: Group PHARMACIST. C 9226

Appointments—Continued

PRESTWICH HOSPITAL MANAGEMENT COMMITTEE

APPOINTMENT OF CHIEF PHARMACIST

Applications are invited from suitably qualified persons for the appointment of CHIEF PHARMACIST at PRESTWICH HOSPITAL (Psychiatric—3,018 Beds), nr. Manchester.

Salary £625 x £25—£725 (Category 11) and conditions of service in accordance with agreements reached from time to time by the Pharmaceutical Whitley Council.

Applications giving full details of training, experience, etc., and the names and addresses of two referees, should be sent to the Secretary, Prestwich Hospital, Prestwich, nr. Manchester, not later than Saturday, July 19, 1952. C 9238

ST. LEONARD'S HOSPITAL

NUTTALL STREET, LONDON, N.1
GENERAL (180 BEDS)

Applications are invited for the appointment of ASSISTANT IN DISPENSING, vacant September.

Possession of Society of Apothecaries Certificate desirable.

Salary and conditions of service as defined by Whitley Council.

Applications, giving details of age, experience, qualifications, with names of two referees should reach the Hospital Secretary by 26th July. C 9229

THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND ST., LONDON, W.C.1

Applications are invited for the post of PHARMACIST.

Salary within the Whitley Council Scale (£450 x (5) £25 to £575), plus London Weighting. £25 for recognised higher qualification. Apply by letter to the Chief Pharmacist. C 116

WESTWOOD HOSPITAL, BEVERLEY, YORKS

ASSISTANT PHARMACIST required at the Westwood Hospital, Beverley. Salary £450 x £25—£575 per annum. Entrants over 23 with previous experience may enter at a higher point at the Committee's discretion. Whitley Council conditions. Applications, giving age and particulars of previous experience (if any), together with two referees, to the Secretary. C 9188

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word. Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive, unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

RETAIL (HOME)

GOLDTHORPES require a permanent qualified assistant, mainly for dispensing. Easy hours. Unqualified lady assistant also required for relief work. Please give all details of age, previous experience, salary required, to Goldthorpes, 10 Powis St., Woolwich, S.E.18. C 2313

BOOTS THE CHEMISTS have vacancies in a number of districts for pharmacists, male and female. Salary according to age and experience. (Male) Central London £11 5s. to £12 15s. Metropolitan London Dist. £10 17s. 6d. to £12 7s. 6d. Provinces £10 10s. to £12. (Female) Central London £10 15s. to £12 15s. Metropolitan London Dist. £10 7s. 6d. to £11 17s. 6d. Provinces £10 to £11 10s. Engagements are on a permanent basis with good prospects, eligibility for pension, life assurance, etc. Applications should be made to Retail Staff Dept., Station St., Nottingham, stating age, experience and district preferred. C 9177

FULHAM. Qualified manager required to take full charge of middle-class family dispensing business. Initiative and drive required to consolidate increasing returns as there is still plenty of scope. No living accommodation. Give full details of age, previous experience, etc., to Managing Director, Arnold M. Gee Ltd., "Derwent House," 12 High Street, Colliers Wood, London, S.W.19. C 2312

HACKNEY AREA. Pharmacist required to take over the management of a very profitable working-class business with available living accommodation. The position should be a particularly good remunerative one as it will carry a bonus in addition to the usual salary, plus a share of the profits if the successful applicant wishes to make a capital investment either immediately or over a period. Please communicate as soon as possible with A. Aldington, M.P.S., 493 Seven Sisters Rd., London, N.15. Telephone Stamford Hill 4876. C 9221

HUDDERSFIELD. Male or female pharmacist required as branch manager of old-established family business. Good salary and working conditions. House may be available shortly. Usual particulars to J. B. Wood (Chemists), Ltd., Lockwood, Huddersfield. C 2315

KENSINGTON. Manager required for beautifully fitted new pharmacy. Substantial salary and bonus. Ideal working conditions and excellent supporting staff, including dispenser. Particulars to N. G. Cole, M.P.S., The Kensington Pharmacy, 26-28 Kensington Church St., W.8 (Western 4845). C 2282

LADY ASSISTANT REQUIRED mainly for dispensing in good-class Hampshire dispensing and cosmetic pharmacy. Must be accurate and methodic. Plenty of scope for advancement and for taking responsibility. Please give all details of age, previous experience, salary required to Box C 2314.

LONDON CO-OPERATIVE CHEMISTS invite applications from pharmacists desiring to take appointments as branch managers in London and suburbs. Good salaries and commission, pension scheme, etc. Living accommodation in some instances. Well-fitted modern shops with good supporting staffs. Pharmacists preferring relief duties can undertake extensive tours of branches on a salary and expenses basis with a permanency when required. Applications in first instance to Chief Pharmacist, Grange Rd., Leyton, London, E.10. C 2279

STOKE-ON-TRENT. Manager, lady or gentleman, required for Parkinsons Chemist, 88 Market St., Fenton, S.o.T. Living accommodation, good salary, permanency. Details on application to Mr. R. E. Ridley, 48 Piccadilly, Hanley. 'Phone S.o.T. 2506. C 2293

SWINDON & DISTRICT Co-operative Chemists, Ltd., require pharmacist as manager for established branch. Salary, plus rota fees, commission and bonus. Superannuation with transfer clause. Living accommodation available. Apply to Secretary, 57 Fleet St., Swindon, Wilts. C 2322

UNQUALIFIED ASSISTANT for busy City pharmacy. Mainly counter, either sex. Congenial situation. No late, holiday, or Sunday duties. Half-day Saturday. James Kenton Ltd., 52 King William St., E.C.4. C 2297

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

Situations Open—Continued

UNQUALIFIED, experienced dispenser. Familiar with photographic trade preferred. Permanency with accommodation. State references and salary required. Box C 126.

WARWICK. Qualified or unqualified lady assistant required. Duties mainly dispensing. Please apply, giving full particulars of experience, etc., to W. A. Ball, 6 Swan St., Warwick. C 2267

RETAIL (OVERSEAS)

LADY PHARMACIST REQUIRED for dispensing and counter work. Three years' agreement. Passage paid out. Salary £60 per month to commence. Congenial post at Mitchell's Pharmacy in lovely Rhodesian town of Umtali. Write, giving full particulars to F. Dept., Mackinlay & Co. (London), Ltd., 197 Aldersgate St., London, E.C.1. C 2294

WHOLESALE

A DEVELOPING PHARMACIST (qualified) required by British Schering Manufacturing Laboratories, Ltd., Macclesfield Rd., Hazel Grove, Cheshire, for their process development department. Post-graduate experience is desirable but not essential. The work is interesting and gives considerable scope for the exercise of personal initiative and enterprise. Applications, stating qualifications and experience and salary required should be addressed to the Factory Manager and marked Development Department. C 2283

A FIRM of manufacturing chemists situated in North-West coastal area require a chemist to take charge of their control laboratory. Duties include analytical control of raw materials and manufactured products. A.R.I.C. or B.Sc. qualifications desirable. Please give full details previous experience, salary, etc. Box C 2310.

A LEADING FIRM of pharmaceutical manufacturers have a vacancy for a representative in the Kent area. Applicants should have a comprehensive pharmaceutical or technical background, and experience in hospital pharmacy would be an advantage. The principal duties of this appointment will entail visits to medical men, hospital personnel and trade customers. Age not exceeding 35. Remuneration includes salary, bonus and expenses. Residence within territory will be necessary. Apply initially in writing giving full details of experience and qualifications to Box C 9203.

A PROGRESSIVE and expanding company marketing a high quality range of superbly presented products in regular demand have vacancies for keen, energetic and ambitious salesmen for development of:—1. Scotland. 2. Yorkshire, Durham and Northumberland. 3. West Country. Posts offer quite exceptional opportunities for progressive earnings to men (25-40) with personality and ability. Applicants must be car owners with firmly established connections. Sole agencies considered providing only one other approved line is carried. Please include full information, stating territory, age, selling background, products handled and other details. All applications complying with this requirement will be acknowledged. Box C 2311.

ASSISTANT to managing director London fine chemical and botanical drug company required. Knowledge office management and import export procedures desired. Purchasing experience necessary. Sales helpful. Complete details in confidence to Managing Director Box C 9237.

COMPANY specialising in the manufacture and sale of medical preparations requires representatives for medical propaganda in the East Midland, Edinburgh and Glasgow area, North London and Yorkshire districts. Duties will be confined to calling on doctors, hospitals and chemists. Previous experience essential. Applicants must own car. Good salary. Car allowance and all expenses paid. Pension scheme. Consideration will only be given to those applicants giving full details of previous experience. Box C 2324.

ETHICAL HOUSE requires medical representative for (a) Yorkshire (West Riding) area, (b) Glasgow-Renfrew area. Must have sound pharmaceutical background, previous experience desirable. Excellent progressive position with substantial salary, expenses and commission for first-class man. Staff know of this advertisement. Give full details in confidence to Box C 9225.

IMPERIAL CHEMICAL INDUSTRIES, LTD., has a vacancy for a young pharmacist at its warehouse situated in the Wimbledon area. Initially, duties would include inspection of and responsibility for various pharmaceutical products. Applications, with full particulars, should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Office Service Department, Fulshaw Hall, Wilmslow, Manchester. C 9195

LARGE AMERICAN CHEMICAL manufacturer invites applications for the senior position in a chlorophyll producing plant in U.S.A. Applicants must be completely familiar with all phases of production of chlorophyll derivatives. Replies will be treated with strict confidence and should state experience, present connection, age and salary requirement. Box C 9173.

An important monograph:—

ELECTROPHYSIOLOGICAL TECHNIQUE

by C. J. Dickinson, B.A., B.Sc.
(*Magdalen College, Oxford*)

Price 12/6

The author describes the use of electronic methods as applied to research in Neurophysiology. Chapters are devoted to amplifying, recording and stimulating techniques used in physiology and medicine (e.g. electrocardiography, electroencephalography, etc.)

Extracts from recent reviews :—

"This laboratory handbook will be welcomed by all physiologists who are engaged in laboratory or clinical research."

(Journal of Neurology, Neurosurgery and Psychiatry)

"Can be recommended to all who are concerned in electrophysiological measurements."

(Journal of Scientific Instruments)

Order through your bookseller or direct from the publisher:—

ELECTRONIC ENGINEERING
28 ESSEX ST. STRAND, LONDON, W.C.2

Situations Open—Continued

MANUFACTURING CHEMISTS, Leeds, Yorkshire, have vacancy for qualified chemist with manufacturing experience to train for executive position. Replies in strictest confidence. All details first letter. Box C 9192.

MANUFACTURING CHEMISTS in West Riding require pharmacist with initiative and ambition to develop drug business. Excellent opportunity. State experience, salary required, in confidence. Box C 2309.

MANUFACTURING CHEMISTS, Leeds, Yorkshire, have vacancy for tablet maker and coater having good experience. Box C 9193.

MEDICAL REPRESENTATIVES. Leading pharmaceutical manufacturers with world-wide reputation, well established in Great Britain, require additional medical representatives, between 25 and 35 years of age, with pharmaceutical qualification, or thoroughly experienced in medical detail work, for London and several important provincial areas. Well-paid, congenial posts, backed by outstanding products and first-class literature. Fullest details in confidence to Box C 9236.

MEDICAL REPRESENTATIVES. British company marketing product of international repute in the fields of infant feeding and nutrition requires two medical representatives (1) for South London; (2) for Scotland (resident in Glasgow area). Permanent salaried position for men aged 25-35, of good education, who are tactful, enterprising, and anxious to learn. Experience preferable but not essential. Fullest particulars to Box C 2308.

MEDICAL REPRESENTATIVES. Progressive positions now vacant for suitable persons as medical representatives. Please send full particulars to Box C 2298.

REPRESENTATIVE REQUIRED by manufacturers of surgical dressings, sanitary towels, and druggists' sundries for Birmingham and district; salary, commission and expenses; state age and selling experience. Box C 9210.

REPRESENTATIVE for Midland Counties required by well-known toilet soap manufacturers. Salaried appointment with commission and expenses. Applicants must be car owners and have a good connection with chemists and stores. Box C 9241.

REPRESENTATIVE with sound connection among chemists required for Midland area, by London drug house. Write, in confidence, giving details of age and experience. Box C 9223.

REPRESENTATIVE REQUIRED to call on hospitals, sound knowledge of surgical instruments and equipment necessary. Territory Southern England and South Wales. Car available. Managing Director, Edwards Surgical Supplies, Ltd., 83 Mortimer St., London, W.1. C 9240

REPRESENTATIVES REQUIRED by small but expanding wholesale house. Comprehensive range of proprietary goods and sundries for chemists, etc. Good prospects for men with connections London and suburbs. Car owners preferred. Please write fully in confidence. Box C 2318.

SALES REPRESENTATIVE REQUIRED for central London territory (West End). Must be pharmacist. Age not exceeding 35. Company pension scheme and profit sharing. Write fully regarding experience. Reference H.A.C., The British Drug Houses, Ltd., Graham St., N.1. C 9239

SPARE TIME employment writing medical leaflets for ethical products manufactured by well-known manufacturing chemists in the London area. Write, stating experience, qualifications and present occupation. Box C 9222.

TRAVELLERS with connection chemists and hairdressers required in all districts. Prophylactics. High commission. Small samples. Write particulars ground covered. Chemist Sundries Corporation, 19 Torrington Place, W.C.1. C 2325

THORNTON & ROSS, LTD., Linthwaite Laboratories, Huddersfield, require a first-class pharmaceutical representative for the South Wales area. Applications are invited from gentlemen with a pharmaceutical background, who have a genuine connection with pharmacists in that area. Full details of age, education, experience, etc., should be given, stating whether a car owner or driver. C 2316

YOUNG QUALIFIED PHARMACIST, keen on career in industry, prepared to interest himself in sales and administration of pharmaceutical manufacturing house in City. Only versatile man, as interested in administration of factory as in problems of medical research and sales of specialities, need apply. Box C 9235.

WHOLESALE (OVERSEAS)

A COMPANY distributing pharmaceutical products in the Philippines require a young British Executive for their office in Manila. Candidates should have a pharmaceutical background, preferably be a M.P.S., single and under 30 years of age. Applications with full particulars should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Office Service Department, Fulshaw Hall, Wilmslow, Manchester. C 9200

BURROUGHS WELLCOME & CO. (Australia), Ltd., invite applications for the post of works manager of their works in Sydney. This post entails full responsibility to the general manager for all aspects of the production of a wide range of pharmaceutical products and for the control of a staff of 150. Applications detailing training, qualifications and experience should be addressed to the Secretary, 42 Gower Place, London, W.C.1. C 9233

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word. Box 1/-

RETAIL (HOME)

DISPENSER (LADY), holding the Apothecaries' Hall certificate, is looking for a part-time post in London. Box C 2280.

EXPERIENCED proprietor pharmacist requires permanent managerial post in Southend district (preferably) or London, West End or City. Salary £750 p.a. plus 1¼% comm. on turnover. Box C 2300.

EXPERIENCED PHARMACIST, age 35, married, at present managing busy pharmacy in Belfast, wishes to hear of similar position in South Wales or West Country, preferably with accommodation. Returning for family reasons. Particulars. Box C 2299.

UNQUALIFIED seeks post, preferably city. Experienced all branches dispensing, photography, sales, etc. Box C 2278.

LOCUMS SEEKING ENGAGEMENTS

LOCUM PHARMACIST (40), hospital and retail experience, available July 28th to August 11th inclusive. Box C 2319.

UNQUALIFIED GENTLEMAN, fully experienced, July 26th to August 9th inclusive. Salary, expenses. 92 Wardend Rd., Birmingham. C 2304

WHOLESALE

DO YOU REQUIRE a real live representative for Midlands or West Country. Largest connection of good accounts. Manufacturers only reply, others waste of time. Box C 2302.

Situations Wanted—Continued

EXPERIENCED REPRESENTATIVE, South Wales area, seeks post, whole- or part-time. Box C 2143.

PHARMACEUTICAL CHEMIST, with unusually good experience in pharmaceutical production, desires position with a company of good standing where his knowledge and ability can be used to mutual advantage and where there will also be opportunities of taking a broad interest in management. At present in executive position with four-figure income. Large provincial town or city preferred. All confidences respected. Box C 2276.

REPRESENTATIVE, residing in London, prepared to travel throughout England. Car owner with previous experience of bulk pharmaceutical and medical presentation. Other lines considered. Box C 2327.

SALES AND GENERAL MANAGER, age 43. 27 years' comprehensive experience of the pharmaceutical trade. Retail, wholesale manufacturing, import and export, with experience of the Far East. Seeks good executive position with reputable firm at home or abroad. Box C 2326.

TABLET MAKER, tablet coater, wide experience of all grades of coating, chocolate, graphite, sugar, gelatinoid, enteric, desires London situation. Box C 2305.

TO COUNCILS/HOSPITAL AUTHORITIES, London mortuary officer (very highly recommended) seeking change. September. Medical school experience; can drive car. BM/SX/GX, London, W.C.1. C 2303

AGENCIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENTS WANTED to call on retail chemists, with two quick-selling lines. Commission basis. All areas. Apply Box C 9196.

MANUFACTURERS' Agents' Association (C. & D.), 8 Bream's Bldgs., E.C.4, supplies free lists of agents to manufacturers seeking representation in all important centres. Membership available to established agents. C 4

OLD-ESTABLISHED HOUSE of importers and distillers supplying drugs, essential oils, essences, perfume compounds, etc., wishes to contact agents in various parts of the U.K., including London, who have other lines, calling upon the same outlets. Good commission rates offered. Box C 9242.

SCOTLAND. Representative on commission required by makers of pastilles and lozenges, calling on chemists only all Scotland. Advantage if already carrying non-competitive product. Box C 2317.

AGENCIES WANTED

8/6 for 36 words (min.) then 3d. per word. Box 2/-

AGENT now representing leading vacuum flask house seeks one additional agency, Beds, Bucks, Herts, Cambs, Northants, Hunts, Oxon. Must be established nationally advertised line. Twenty years' experience on ground. Box C 2274.

ESTABLISHED AGENT, 20 years' connection, requires one additional commission agency, wholesale, retail, departmentals, etc. London S.W.-S.E. and Surrey-Kent. Only known and established products from actual manufacturers considered. Own car, member Manufacturers' Agents Association. Box C 2321.

CAMERA REPAIRS

BOWENS specialise in Trade Repairs

A £100 miniature or a 5/- box camera both receive the same expert attention. All cameras are acknowledged by numbered receipt. Showcards and addressed labels on application. *(Member of Photographic Apparatus Repairers Group of P.D.A.)*

BOWENS CAMERA REPAIR SERVICE LTD
37 SPITAL SQUARE, LONDON, E.1.
BIShopsgate 6505

WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

Tender invoice for supply of
10,000 ONE-GALLON STONE OR PLASTIC JARS
Urgent. Sample with quotation.
Jenolite, Ltd., Clark Matthew Pub./Dept., 13/15 Rathbone Street, London, W.1. C 9224

A QUANTITY of cellophane offcuts and sheets wanted. Jasco, Ltd., 246 Bethnal Green Rd., London, E.2. Tel.: Bishopsgate 9434. C 120

SELL US YOUR STOCKS of discontinued lines, sub-standard and unsaleable goods, raw materials, bottles, jars, caps, stone jars, carboys, demijohns, tins, drums, cartons, cases. Send details to Box C 2250.

WANTED : Surplus or redundant merchandise, clearance stocks of any description or discontinued lines. Cash immediately, no delay. Our representative will be pleased to call or, alternatively, please send samples with particulars quantity and price. Lawrence Edwards & Co., 6-7 Wellington Close, Ledbury Rd., London, W.11. Telephone: Bayswater 4020. C 9087

WANTED. 5/10 tons unrefined crude wool grease; sodium silicate; potassium silicate; 5 tons crude glycerine; 5 tons wool blocks (flakes) streaks melting point not less than 118°F.; 15 tons ethylene glycol; sulphur precipitated B.P., light and dense soda ash. Box C 9232.

IMPORTANT

Box Office numbers are intended exclusively for specific answers to particular advertisements and Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

1,000 NEW 1-gallon glass bottles; 10,000 winchester bottles, ½-oz. to 140-oz. sizes; 50,000 stoneware jars and bottles; 250 gross cordial bottles, 26-oz., 13-oz., 6-oz., 1¾-oz. sizes; 1,000 carboys and demijohns, 5-gall., 10-gall., 13-gall., 14-gall. sizes; 1,000 gross beautiful toilet bottles and jars; 5,000 gross medical flats and toilet bottles; 500 gross vacuum fruit preserving jars; 1,000,000 new tins; 25,000 new steel drums; 1,000,000 new cartons, cases, fibre kegs, postal boxes; enormous stocks bakelite and metal caps, corks, Pilferproof seals. Call and see them all, or send for samples. Quality Containers, Ltd., 17A Balfe St., King's Cross, London, N.1. Telephone Terminus 2771. C 2249

160 LBS. ROSEMARY OIL. Best offers invited. Box C 9194.

12 BAGS edible powdered gelatine; 15 lb. mysore sandalwood oil; 20 lb. sweet orange oil; 29 lb. Paraguay petitgrain. Box C 2295.

MICROSCOPES. Second-hand bargains, guaranteed sound order. Write for list. Deferred terms if required. Wallace Heaton, Ltd., 127 New Bond St., W.1 (May. 7511). C 55

PLYWOOD TEA CHESTS with lids, in sound condition, suitable export packing offered at 2/6d. each ex London Warehouse. The Market Prices Co., Oxford House, Crosswall, London, E.C.3. C 2269

By order of the Tribunal de Commerce de la Seine there will be put up for sale

26 tons SODIUM HYDROSULPHITE

at present available at Rotterdam.

For all information please apply to: **Mr. MAREE, 1 Avenue Lamartine, VINCENNES (Seine) (France)**

Sworn Broker charged with the sale. **C2323**

MISCELLANEOUS

UNQUALIFIED DISPENSERS. Join the Guild of Dispensers now. It is the opportunity you have been waiting for! S.A.E. for details: Hon. Sec. Guild of Dispensers, 41 Connaught Sq., London, W.2. C 2290

PATENTS

17/6 for 36 words (min.) then 4d. per word. Box 2/-

THE PROPRIETORS of British Patents Nos. 639946 and 643382 are prepared to licence British manufacturers to work thereunder. They relate to Barbituric Acids and Physiologically Active Substances. Address: Boult, Wade & Tennant, 112 Hatton Garden, London, E.C.1. C 9220

HOLIDAY ACCOMMODATION

DOUGLAS (I.O.M.). Hotel Metropole. Tel. 2381. Fully licensed. Resident orchestra. Ballroom. Room service. Manx farm produce. Phones all rooms. Moderate tariff. Winter commercial terms. Brochure, I. Barker. C 9091

STOCKTAKING

17/6 for 36 words (min.) then 4d. per word. Box 2/-

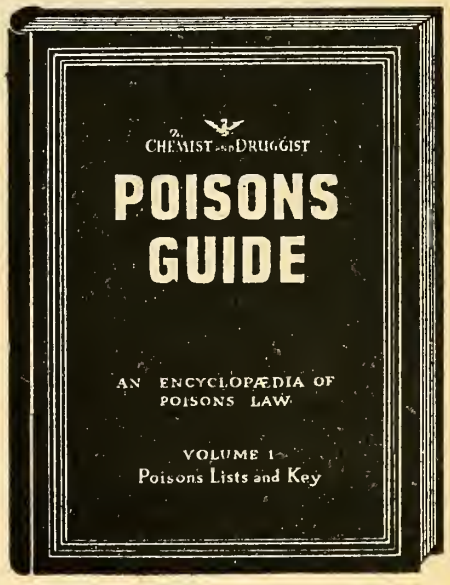
QUIET and accurate workmanship. Over 30 years' practical experience. Detailed inventories supplied to suit your individual requirements. Your own stock sheets priced. Terms moderate. C. W. Playfoot, 8 Aylward Road, London, S.W.20. Phone: Liberty 4104. C 2320

POISONS LAW . . .

is complex and vexatious—problems can arise at awkward moments.

The best, safest and indeed the only up-to-date Guide to this intricate legislation is

CHEMIST AND DRUGGIST



Compiled by

W. A. WHATMOUGH, B. Sc. Ph. C. F.R.I.C.

VOLUME 1—(Extended List of Poisons, Classification and 'Key')—just off the press—has now been amplified into a 96 page Extended List of of Poisons, classifying over 5,000 entries into 16 self sufficient classes. Each entry is complete in itself, giving in concise form ALL the requirements applicable to the individual item. Self evident 'key symbols' assist in identifying the Poisons Law provisions which the Class Number groups into routine requirements according to the permissible form of supply.

This Guide is essential to every Pharmacist, whether engaged in Manufacturing, Wholesale, Retail or Hospital work.

PRICE 20/- 20/6 post free

You must keep up-to-date in this important subject

BE WISE, ORDER YOUR COPY NOW

Orders and remittances to

THE PUBLISHER,

The CHEMIST & DRUGGIST

28 Essex Street, Strand, London, W.C.2

The CHEMIST AND DRUGGIST
SUPPLEMENT

WEEKLY LIST OF PRICE CHANGES, JULY 12

A=Advanced; R=Reduced; I.R.P.=Inclusive retail price; *=Tax 33⅓ per cent.; †=Tax 100 per cent.

		Each		I.R.P.	
Bayer Products, Ltd.					
R Novalgin tablets,* 5 gr.	25	3	7	5	11
	100	12	0	19	11
	250	27	2	45	1
	1,000	105	0	174	2
ampoules, 5 x 2 mil		4	6	7	6
powder, 1 oz.		12	0	19	11
E. R. Squibb & Sons (from July 7).					
R Nydrazid tablets* 100 mgm.	100	20	0	36	8
	1,000	160	0	293	4
50 mgm.	100	10	0	18	4
	1,000	80	0	146	8
Evans Medical Supplies, Ltd. (from July 12).		Doz.			
A Evans throat pastilles		13	6	2	1
Herts Pharmaceuticals, Ltd. (from July 7)		Each			
R Pycazide tablets*	100	10	0		
	500	46	9		
	1,000	80	0		
Pycazide syrup*	20-fl. oz.	12	0		
	80-fl. oz.	45	0		
Pycazide ampoules*					
	12 x 2 mil	10	0		
	50 x 2 mil	38	0		
Roche Products, Ltd.					
R Rimifon tablets,* 50 mgm.	100			18	4
	1,000			146	8
Sharp & Dohme, Ltd. (from July 10).					
R Cremothalidine,	4-oz.			11	0
	8-oz.			21	0
The Progress Shaving Brush Co., Ltd., Mottram Street, Stockport.					
R Vulfix service shaving brushes				3	11
				5	11
				6	9
				8	6
				10	6
				12	6
				21	0
Velvet Crepe Paper Co., Ltd. (from July 1).					
R Velvex toilet rolls				1	2
Velvex interleaved toilet tissue				1	0
Velvet two-ply tissue rolls				1	3
Hermes toilet rolls					9
Presto toilet rolls					7
Alpex fine crêpe toilet rolls					8
Champion crêpe toilet rolls					6

P.A.T.A. PROTECTED LIST

Part 1

		Doz.			
Ayrton Saunders & Co., Ltd.					
R Cremosan ointment*		9	0	1	8

Part 2

R. J. Reuter Co., Ltd. (sole selling agents in Great Britain:—**Scott & Bowne, Ltd.**).					
A Sir after-shaving lotion†	4-oz.	25	2	5	0
	2-oz.	19	0	3	9

Revised quantity terms for all 4711 toilet preparations:—Minimum order £1, less 2½ per cent.; order value £2 10s., less 7½ per cent.; value £5, less 10 per cent.; value £10, less 12½ per cent. Additional 2½ per cent. settlement discount is withdrawn.

NEW PRODUCTS AND PACKS

		Doz.			
Allen & Hanburys, Ltd.					
Distaquaine fortified, 4.0 mega units		11	8	17	6
Gelatin sponge, B.P.C., single tube, 6 x 2 x 0.7 cm. size 1, one piece		21	0	2	7½
2 x 2 x 0.1 cm. size 3, six pieces		19	0	2	4½
Allen & Hanburys, Ltd.					
Penicillin eye drop solution tablets 15,000 units penicillin, B.P., and 30 mgm. sodium citrate, B.P., (gr. ½)	10	22	0	2	9

		Each			
Cuxson, Gerrard & Co., Ltd.					
Chloramphenicol cream tubes 1 per cent. 1-oz.		5	6		
Chloramphenicol ear drops	2-drachm	12	6		
	½-oz.	19	6		
Chloramphenicol oculentum tubes 1 per cent. 1-drachm		Doz. 17	0		
Evans Medical Supplies, Ltd.					
Hepovite tablets 1 gm.	24	28	0	3	6
Glaxo Laboratories, Ltd.					
Estopen 100,000 units, vials	10			17	6
Crystapen oral tablets, 400,000 units in each,	12			19	6
	100			148	0
200,000 units,	12			10	0
Streptopen veterinary cerate	12 tubes			21	0
John Wyeth & Bro., Ltd.					
Sopronol ointment,* tubes	1-oz.			3	9
Menley & James, Ltd.					
Eskacillin 100, 2-fl. oz.		162	0	18	0
Pharmaceutical Specialities (May & Baker), Ltd.					
Thalazole suspension 4-fl. oz.				11	6
	40-fl. oz.			110	0
Ward Blenkinsop & Co., Ltd.					
Viacutan solution, 100-c.c.				6	1

Printed by THE HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2.



Smarter than Ever!

Here are the latest aids to bigger Jeypine sales — a new shapely bottle design, and a most striking Counter display case for the big 6 oz. bottle. Display Jeypine at every opportunity — it's solidly backed by nationwide advertising, it's a product in popular demand and a really profitable one too!

SIZE	RETAIL PRICE	STANDARD MARGIN	TRADE PRICE
6 oz.	1s. 0d.	less 25%	9s. 0d. doz.
12 oz.	1s. 10d.	,, ,,	16s. 6d. ,,
20 oz.	2s. 9d.	,, ,,	24s. 9d. ,,

Just look at these additional margins:—

On composite orders including any or all of our popular products — Jeypine, Jeyes' Fluid, Toilet Paper (Flat packets and Rolls), Toilet Soaps, etc., you get

An extra 2½% discount on a £3.0.0 order
5% ,, ,, ,, £6.0.0 ,,
10% ,, ,, ,, £12.0.0 ,,

Carriage paid on £3.0.0 order and over. Terms net monthly account.

UP TO 32½% PROFIT ON JEYES' PRODUCTS

EYES' · MILLBROOK · MANOR ROAD · CHIGWELL · ESSEX

GNT153

'Sally Ann' tells millions of filmgoers...



Lovely, vivacio
SALLY ANN HOWES is t
NIVEA girl in some delightf
Technicolor filmlets which a
reinforcing the NIVEA messa
to cinema audiences throughc
the country. A NIVEA windc
and counter display will remi
customers . . .

Skin needs NIVEA the 9-purpose cream

BUY ON BONUS TERMS

£5 orders (excl. tax) for Nivea products earn a bonus of 20 Popular 2/6*d*. Size Nivea Creme—increasing your profit to 44%. Each extra 10/- earns another 2 tins.

Filmlets will influence the sale . . . you can clinch it . . .

give NIVEA a good window

HERTS PHARMACEUTICALS LTD., WELWYN GARDEN CITY, HERT

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.

The
CHEMIST AND DRUGGIST
for RETAILER — WHOLESALER — MANUFACTURER
JULY 12, 1952
Published weekly at 28 Essex Street, Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."
Single copies 1/- each. Annual Subscription which includes The Chemist and Druggist Diary and Year Book, £2

Volume CLVIII — No. 3777

CONTENTS

Advice on Endorsing Prescriptions	41	National Pharmaceutical Union	44
An Approach to Ethical Problems	51	Overseas Pharmacy Law—6	56
April-June Share Movement	58	Personalities	40
Business Changes	40	Pharmaceuticals in Pakistan	57
Coming Events	41	Pharmaceutical Society of Great Britain:—Council Meeting	46
Company News	39	Pharmaceutical Society of Northern Ireland:—Council Meeting	45
Correspondence	59	Price Changes	Pink Supplement
Deaths	38	Scottish News	36
Editorial Articles:—		Statutory Committee Hearings	47
Towards Greater Gas Safety	49	The Week in Parliament	40
Bottles for Wrong Purposes	49	Topical Reflections	37
First Month of the Levy	50	Trade Notes	43
Mechanised Hygiene	50	Trade Report	60
Irish News	36	"Unit" Storage for Dispensary Stocks	54
Local News	35		
Medical Abstracts	55		
N.I. Health Board	45		

NEWS OF THE WEEK

Open Days at Teddington.—Open days re being held at the Chemical Research Laboratory, Teddington, Middlesex, from September 23 to 26. Industrial concerns wishing to send representatives, but who re not already on the mailing list should pply to the Director before August 31 for nvitations to the following sessions:— eptember 23 (2.30-5.30 p.m.); September 5 and 26 (10 a.m.-1 p.m., or 2.30-5.30 .m.).

Tuberculosis Conference.—The third Commonwealth and Empire Health Tuberulosis Conference organised by the National Association for the Prevention of Tuberculosis is being held in London, uly 8-13. Speaking at the first session on uly 8, Dr. J. B. McDougall (chief of the uberculosis section, World Health Organation) said that the fight against tuberulosis should be concentrated against the reas of greatest prevalence. With the help f the many weapons available for fighting he disease he believed that at the turn of he next century tuberculosis would be as re in western European and North American countries as leprosy today. Sir Andrew Davidson (chief medical officer, Department of Health for Scotland) said that he hoped that people would not be blinded by therapeutic developments to the "paramount need for prevention." He would like to see greater emphasis on prevention by epidemiological methods.

Dispensing Assistants' Salaries. — The Professional and Technical (Whitley) Council B for the Health Services has published an agreement giving details of salaries to be paid to dispensing assistants in hospitals as from April 1, and the Minister of Health has approved the scales. They are as follows:— Age sixteen years, £130 per annum; seventeen years, £145; eighteen years, £170; nineteen years, £195; twenty years, £225; twenty-one years, £260; and twenty-two years and over, £320 x 10 — 340 x 15 — 415.

Guild of Public Pharmacists.—At a meeting of the Council of the Guild of Public Pharmacists in London on July 5 it was decided to refer to the Executive Committee the question of financial aid

for branches in need. A report by Mr. S. Powlson on methods of improving liaison between members in outlying areas was initiated. The possibility of increasing the number of issues of the "Public Pharmacist" per annum, the reintroduction of the "News Letter" and other methods of getting news out promptly were discussed. The Executive Committee were asked to explore the possibilities and to report back.

Presentation to Retiring Council Member.—At a dinner held in London on July 1 the Council of the Pharmaceutical Society presented Mrs. Jean Kennedy Irvine, M.B.E., with a mahogany Regency card table on her retirement from the Council. Mr. F. G. Wells, proposing her health, said that she was held in as much honour in England as in Scotland. Mr. W. Deacon, seconding, said that no president of either sex had upheld the dignity of the Pharmaceutical Society as much as Mrs. Irvine had. Thanking the Council for their gift, which was handed to her by Mr. W. J. Tristram (president), Mrs. Irvine recalled that her election to the Council was described by a male critic as "a whim of the electorate."

Essential Oils Tax Negotiations.—Addressing the annual meeting of the British Aromatic Compound Manufacturers' Association on June 25, Mr. R. F. Gillham (chairman) mentioned that negotiations were proceeding between the Association and the Customs and Excise Commissioners following a ruling that certain compounds were liable to purchase tax under the revised wording of Group 30 (a) of the Purchase Tax Schedule. He said that it was hoped to reach agreement on a method of avoiding this particular liability and thus of preserving the general exemption already granted in respect of aromatic compounds used as raw materials in the perfumery and allied industries. The report also included a reference to the activities of the Association in the export field and the constant efforts made to ensure as far as possible that export quotas for aromatics were included in the trade agreements negotiated with various countries. Messrs. R. F. Gillham and S. R. Mansfield were unanimously re-elected *Chairman* and *Vice-chairman* of the Association respectively.

Malt and Oil Under N.H.S.—The Ministry of Health circulated Executive Councils on July 8 to the effect that if a Council is informed by a practitioner that cod liver oil and malt was prescribed by him for the treatment of tuberculosis, and it was prescribed in reasonable quantities, the Minister assumes that the Council will follow the advice of the Joint subcommittee on the Definition of Drugs and regard the preparation as a drug properly supplied under the pharmaceutical service. Executive Councils are also reminded that the joint subcommittee suggested that glucose, although primarily a food, might be a drug when given, for example, by intravenous injection or as compressed tablets for the use of diabetics. The circular follows information received by the Minister of Health that a number of general practitioners have been advised by Executive Councils that it is proposed to surcharge them in cases where cod liver oil and malt has been prescribed; and that in many cases the cod-liver oil and malt has been prescribed for the treatment of tuberculosis.

New Hospital Remuneration Agreements.—The following Pharmaceutical Whitley Council Committee C agreements came into force on July 4 and 1 respectively:—

Pharmacists lecturing to nurses shall be paid £1 1s. a lecture provided that the work of the pharmaceutical department is maintained at its normal level. Pharmacists already receiving higher rates have the right to retain them until September 1 or until the end of the current course of lectures, whichever is the later.

The second agreement relates to the re-assessment of points for calculating the salaries of senior grades of hospital pharmacists. A recalculation of points will now take place by the method outlined on March 19, the period of assessment being January 1 to December 31, 1951 instead of January 1 to December 31, 1948. Hospitals and clinics without a full-time pharmacist of their own, for which pharmaceutical services are provided under the supervision of the chief pharmacist at July 1, 1952, or in the case of a chief pharmacist appointed after that date, at the date of the appointment, will be counted in the assessment. A pharmacist aged fifty-five or over on July 1, 1952, will continue on his old salary scale, but for others, if the recalculation puts the chief pharmacist into a lower category he will retain his existing salary and if his salary is lower than the maximum of the lower scale, he will gain the normal increments of the lower scale when due. If the recalculation results in a higher category, the chief pharmacist will enter the higher scale at the point next above his existing salary. His incremental date will remain unchanged. A displaced deputy chief pharmacist will have his salary adjusted similarly. A pharmacist reverting to a lower grade will retain his former leave entitlement. The calendar year 1952 will remain the period for assessment of points until June 30, 1955.

LOCAL NEWS

Levy Explained.—Mr. H. Jarvis Graves, Exmouth (secretary, Devon and Exeter Pharmaceutical Committee), has published a statement explaining the levy scheme to the public locally. In it he corrects "the mistaken impression of some" that the shilling benefits the chemist.

Chemical Works Fire.—A fire occurred in the salicylic acid production plant at the Warrington Chemical & Drug Co., Ltd., Manchester Road, Paddington, near Warrington, Lancs, on May 21. Prompt action averted the danger of an explosion in the plant, which contained salicylic acid worth about £300. The company hopes to restart production in about three or four weeks' time.

Works Visits.—Recent visitors to the laboratories of Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Ashton-under-Lyne, include a party of members and friends of the Bradford Branch of the Pharmaceutical Society and members of Buxton Rotary Club. A party of third-year students and staff of the School of Pharmacy, University of London, led by Professor H. Berry, visited the works of William Ransom & Son, Ltd., Hitchin, Herts, recently.



CARNIVAL PRIZE WINNER: Ciba Laboratories, Ltd., Horsham, won first prize in the local industries section of a Horsham carnival week held recently with the entry illustrated above.

South Lincolnshire Dinner.—More than forty chemists and their wives attended a dinner held by the South Lincolnshire Branch of the Pharmaceutical Society at Boston, recently. Among the guests were Messrs. P. D. J. Spaanderman (representing the National Pharmaceutical Union) and E. W. Roythorne (chairman of the Lincolnshire (Holland) Executive Council). Mr. Spaanderman stressed the responsibility of pharmacists to give an efficient public service. Mr. Alexander, Boston, proposed a toast to the visitors.

Staff Outings.—The annual staff outing of J. R. Gibbs, Ltd., Manor Avenue, Paignton, Devon, on June 7, was made a trip up the River Tamar to Weir Head, followed by a coach trip across the moors to Dartmeet for the evening meal. The party of approximately 120 returned to Totnes for an informal dance to complete the day.—The combined annual staff outing of William Martindale Wholesale, Ltd., 14 Bruton Place, New Bond Street, London, W.1, and Smith & Sons (Norwich), Ltd., 44 Magdalen Street, Norwich, Norfolk, was held on June 15, the staffs going by coach to Clacton-on-Sea.

SPORT

Bowls. — Glasgow Pharmacy Club, Bowling Section, annual match for W. B. Cartwright Rose Bowl at Wellcroft Green, recently. Highest-up rink, 16 shots up were W. Henderson, R. S. Ingram, D. G. Coutts and J. L. Thomson (skip.). Mrs. N. Welsh, wife of the local representative of W. B. Cartwright, Ltd., presented trophy to Mr. J. W. Thomson and prizes to his rink.

Scottish Chemists' Bowling Association and Ulster Chemists' Bowling Association at Queens Park Green, Glasgow, on June 25. Score: Scotland, 71; Ulster 54. Scottish skips.: W. Peebles, 27 shots; J. W. Logan, 20; J. Brown, 24. Ulster skips.: N. Girvan, 16; J. H. McRoberts, 21; J. Ritchie, 17. Mr. T. Sked, representing T. & H. Smith, Ltd., Glasgow, presented prizes to the winning Scottish rink. F. J. C. Lawford, P. Doig, J. McCallum and W. Peebles (skip.) 11 up; and also to the winning Ulster rink: S. Magowan, R. A. Johnstone, J. Caldwell and J. H. McRoberts (skip.) 1 up.

Golf.—Edinburgh Chemists' Golf Club, competition at Mortonhall, recently. Thornton Ross prize: W. S. Thomson (7), 74. Best scratch: J. Finlay, 77. Club prizes: 1, N. A. Stephen (3), 78; 2, W. A. M. Hourston (18), 83; A. N. Fleming (24), 77.

Manchester Chemists' Golfing Society, at Didsbury golf club on July 2, for Hough, Hoseason trophy. Winner: H. Oldham, 71, runners-up: C. Malthouse and F. C. Baines, 72. Hough, Hoseason & Co., Ltd., entertained the players to dinner after the meeting.

Edinburgh Chemists' and Glasgow Pharmacy Golf Clubs' annual inter-city match at Muirfield, recently, was won by Edinburgh, who won both trophies. Rainy Brown medallion (singles): Edinburgh, 11; Glasgow, 7; with two matches halved; J. F. MacFarlan Quaich (foursomes): Edinburgh, 6; Glasgow, 4.

London Chemists' Golfing Society, at Chigwell Golf Club, Essex, on June 18, medal competition for the Arthur H. Cox prize, won by E. G. Nice (11), 73 net. Leading scores: H. Monkman (17), 76 net, R. Poole (8), 76 net, L. Catto (16), 79 net, W. A. C. Attwood (18), 80 net. Bogey competition for the society prize was won by E. C. Pryce (12), 1 down.

SCOTTISH NEWS

Burglary Through Drug Cupboard.—Burglars broke through a brick wall and entered a chemist's shop in Cathcart Road, Glasgow, via the back of a drug cupboard recently. They next went into the cellar and broke through into the cellar of a grocer's shop next door, returning by the same route. Only £1 7s. was stolen from the pharmacy.

University Passes.—The following have recently obtained the degree of B.Sc. in Pharmacy of the University of Glasgow: *First Class Honours*, W. Anderson and A. C. Inglis; *Second Class Honours,* C. A. Dyer, L. Flockhart, A. F. McFeat, H. M. Miller; *Ordinary Degree,* J. C. Anderson, G. D. Drummond, J. S. Hamilton, K. Lonergan, Z. L. McFarland, J. B. Watson, J. M. Young.

Overprescribing in Dumbarton?—The annual report of Dumbarton Executive Council, issued recently, shows that pharmaceutical services in the county cost £54,604 more than in the previous year. Commenting, the report says that urgent steps to examine prescriptions in greater detail to identify cases of overprescribing, might be required. The number of prescriptions was 483,705 against 469,298 in 1950-51.

New N.H.S. Statement Forms.—The Pharmaceutical Standing Committee (Scotland) has issued to all chemist contractors in Scotland copies of a standard form of statement for notifying to Executive Councils, the number of prescription forms submitted monthly for pricing. Future issues will be made by the Executive Councils. The statements will be made out in triplicate, one copy for filing and the other two to be forwarded with the prescription.

Scottish Executive.—At a meeting of the Executive of the Scottish Department on June 25, Messrs. Henry Turnbull Thomas, Kelso, and Samuel Hughan, Glasgow, were unanimously re-elected *Chairman* and *Vice-chairman* of the Executive, respectively. Committees were appointed as follows (the chairman and vice-chairman being appointed to each):—*General Purposes*, Messrs. Drummond, Grosset, Jolly, Lamb and Stewart; *Nomination of Examiners,* Messrs. Culbert, Drummond, Macfarlane and Meldrum; *Education,* Messrs. Drummond, Macfarlane, Michie, Park, Simpson and Skinner; *Public Services,* Miss Jenkins, Messrs. Cowie, Jolly, Keith, Lamb and Skinner.

IRISH NEWS

St. Joseph's Young Priests' Society.—About fifty members of the pharmacy branch of the St. Joseph's Young Priests' Society attended a communion breakfast in Dublin on June 22.

Associates' Section.—At a meeting of the committee, Associates Section, Ulster Chemists' Association recently the following applications for associateship were approved:—*Pharmaceutical Chemist,* Mr. D. D. Connolly; *Assistant,* Miss Norah O'Hare; *Apprentices*, Messrs. J. J. Boal, D. H. Coffey, R. J. O. Corrigan, K. F. Kerr, S. R. McCormick, W. M. Taylor. The secretary reported with regret the resignation from the committee of Mr. O. J. Mulholland. Further arrangements were made regarding the insurance scheme. It was agreed that a social subcommittee should be formed and the first meeting was arranged for September. Presentations from the committee were made to Messrs. T. W. Creswell (secretary) and J. I. V. Marshall, on the occasion of their forthcoming marriages.

Chemists' and Druggists' Excursion.—The Chemists and Druggists' Society of Ireland had their annual excursion to Portaferry and Ards Peninsula on June 18. After tea the president (Mr. Fred Storey, C.B.E.) welcomed the guests amongst whom were Mr. W. H. Boyd (vice-president of the Pharmaceutical Society of Northern Ireland), Mrs. Gamble (wife of the president of the Pharmaceutical Society of Northern Ireland) (the president was absent in Scotland), Mr. Gordon Rattie (vice-president, Ulster Chemists' Association), and Mrs. Gordon Rattie (deputising for Mr. McNabb (president, U.C.A.), and Mrs. McNabb, who were unable to be present), Miss E. A. Strachan (secretary, Ulster Chemists' Association), and Mr. H. F. Moore (member of the Council of the Pharmaceutical Society of Northern Ireland). Mr. Storey, addressing the gathering, said the Chemists and Druggists' Society has always encouraged social activities during its long life. He paid tribute to Messrs. Gamble, McNabb, W. H. Boyd and Rattie and Miss Strachan "the energetic secretary of the Ulster Chemists' Association." Mr. Boyd replied. Other speakers were Messrs. H. Moore, James Irwin, Frank Boyle, T. McDowell and Mrs. Gamble. Mr. Charles Abernethy moved a vote of thanks to Mr. H. McQuitty, honorary secretary, for organising the event.

TOPICAL REFLECTIONS

ntrol of Manpower

The discussion on pharmaceutical man-wer reported at the June Executive eeting of the National Pharmaceutical nion (p. 13) may, for the present, be nfidential, but we might at least be in-rmed by whom and for what purpose e control is to be exercised. My guess that civil defence was the subject of im-ediate interest in this discussion. In June 38 the Council of the Pharmaceutical ciety approved a long memorandum om its Public Services Committee . & D., 1938.I.642) containing a plan r using the services of pharmacists in ne of war and in events leading or likely lead to war. About that time someone scribed Britain as being neither at war r at peace. The memorandum occupied ore than a page of the *C. & D.* (a quarto ge); nearly a year later (*C. & D.*, 1939. 446) the Pharmaceutical Society issued a ief reminder of the contents of the 1938 atement. Training in air-raid precautions d in first-aid occupied what may be lled the central position in the state-ent. If for A.R.P. we substitute civil fence, the present position of pharma-ts other than those who have retired is t unlike their position—or, as the case ay be, that of their predecessors—in 1938. we know, civil defence has to be taken riously: pharmacists in good health may d it necessary to raid their scanty leisure the wider interest of the community. It es without saying that nothing must be owed to interfere with the efficient dis-arge of the pharmaceutical duties for ich they are trained. While looking ck to recall what happened in this mat-in 1938 and 1939, I noticed an article . & D., 1939.I.629) by Mr. F. C. Wil-, then just elected to the Council of Pharmaceutical Society. The title of article, "State's Responsibilities to armacy," is apposite to the subject of s paragraph. In discussing State control pharmaceutical manpower it must be nembered that the State has these re-nsibilities.

ug Trade Appeal Fund

The biennial meeting of the Drug Trade peal Fund (p. 1) is of more than passing erest. A week earlier you published a mmemoration of the centenary of the t British Pharmacy Act: this year the Drug Trade Appeal Fund celebrates its jubilee. In his zeal for progress, Sir (then Mr.) William Glyn-Jones wrote a letter to THE CHEMIST AND DRUGGIST of July 12, 1902, urging the creation of a fund of this nature. On the following August 6 a meeting for the purpose of inaugurating the fund was held; the resolution adopted was in the following terms: "That a fund be raised and made available for paying the costs of contesting appeals against conviction, or in support of dismissals, in cases brought under the various Acts of Parliament affecting the trade, and in which the point at issue is one of importance affecting the drug trade as a whole." Certain legal proceedings were then pending. The most spectacular of them was the Farmer v. Glyn-Jones case, eventually resulting in a High Court decision in favour of the exemption of "known, admitted and approved" remedies from stamping when sold by qualified persons. It is noteworthy that during the past two years the trustees have received no application falling within the rules of the Fund. We may attribute this happy state of affairs largely to the fact that Sir William dealt, in the course of a few years, with most of the legal points arising from the sale of foods and drugs.

Anticoagulants

Your Refresher Course for Pharmacists remains full of interest; the latest instalment (pp. 25-27) is well up to the standard established. With the aid of a diagram in the opening section, the mechanism of blood clotting is made clear. The mention, in the next paragraph of the article, of Pitkin's menstruum reminds me that, in view of the international aspect of much modern research, it is rather unfortunate that many solutions, especially among reagents, bear the names of their designers rather than an indication of their composition. Who, by the way, is or was Pitkin? Everyone who follows, step by step, this lucid exposition of anticoagulants will be rewarded for the time so spent. One thing is evident. The use of several of the substances described by your contributors requires great vigilance on the part of medical and nursing staffs, combined with sufficient laboratory work. Possibilities of dangerous side-effects must in some cases be the constant preoccupation of those in charge. ***Xrayser***

BIRTHS

BOYD.—On July 5, to the wife of William Henry Boyd, Ph.C.N.I. (vice-president of the Pharmaceutical Society of Northern Ireland), a daughter.

BARRON.—At Airthrey Castle Nursing Home, Bridge of Allan, Stirlings, on June 29, to the wife of John Barron, M.P.S., Larbert, Stirlings, a son.

MARRIAGES

PLENDERLEITH — WILSON.—At Causewayend Church, Aberdeen, on June 28, John Alexander Plenderleith, M.P.S., 19 High Street, Montrose, Angus, to Eileen Craig Wilson, Aberdeen.

McGREGOR—HOLLAND.—In Belfast on July 6, John Kenneth McGregor, Ph.C.N.I. (elder son of Mr. John McGregor, Ph.C.N.I. (a past-president of the Pharmaceutical Society of Northern Ireland), Wellington Park, Belfast), to Maureen Holland, Belfast.

DEATHS

BRANDON.—On June 20, Miss Doreen Rita Brandon, M.P.S., Lancastria, Boyndon Road, Maidenhead, aged thirty-six.

CHEYNE.—On June 14, Mr. John Henry Cheyne, M.P.S., 100 Holburn Street, Aberdeen, aged fifty-eight.

EASTWOOD.—On June 15, after a long illness, Mrs. Mabel Eastwood (wife of Mr. Enoch Mellor Eastwood, M.P.S., 46 Springfield Road, Brighton, 6).

HARTLEY. — On June 15, Mr. George Hartley, M.P.S., 51 Wilton Road, Bexhill-on-Sea, Sussex, aged seventy-four.

KENDREW.—On July 7, Mr. William Holme Kendrew, M.P.S., 7 Rookery Road, Southport, Lancs, aged seventy-one.

MACCULLOCH.—At Edinburgh, recently, Mr. Andrew Francis MacCulloch, F.R.I.C. (chief chemist, alkaloids department, T. & H. Smith, Ltd., Edinburgh).

NIXON.—On April 21, Mr. John William Nixon, M.P.S., Corners, Chellaston Lane, Ashton-on-Trent, Derby. Mr. Nixon qualified in 1920.

ROBIN.—On June 5, Mr. Hugh Millar Robin, M.P.S., 12 Forbes Road, Edinburgh, 10, aged eighty-six.

SAVAGE. — On June 23, Mr. Francis Coner Savage, M.P.S., Leeds Road, Rawdon, Leeds, aged seventy-seven.

STEAD. — On June 24, Mr. Samuel Blower Stead, M.P.S., 77 High Street, Newton-le-Willows, Lancs. Mr. Stead qualified in 1925.

SUTHERLAND.—On June 6, Mr. Horatius McNeill Sutherland, M.P.S., 25 Otley Old Road, Headingley, Leeds, 6, aged fifty-two.

THOMAS.—On June 16, Mr. Arthur Grisdale Thomas, 18 Tower Road, Dartford, Kent. Mr. Thomas qualified as a chemist and druggist in 1901.

TRENT.—At her home in Jersey, recently, Lady Florence Trent (widow of the first Lord Trent, founder of Boots, Ltd.), aged eighty-nine.

WALTERS.—On June 18, Mr. Edwin Walters, M.P.S., 44 Searsdale Road, Manchester, 14, aged eighty-five.

WHYTE.—On June 4, Mr. James Scott Whyte, M.P.S., 1 Smeaton Villas, Tranent, East Lothian, aged sixty-seven.

WIDDOWSON.—At his home on June 28, following an operation, Mr. Thomas Stanley Widdowson (a former representative of Wright, Layman & Umney, London), Lakeside Drive, Bromley Common, aged seventy-nine.

The late Mr. R. C. Kettlewell was a Freeman of the City of York and not as previously stated.

WILLS

MR. T. SMITH, M.P.S., 5 Station Avenue, Bridlington, left £352.

MR. H. L. WAUGH, M.P.S., 23 Nunroyd Road, Leeds, left £4,037 (£3,901 net).

MR. A. S. BOAR, M.P.S., 9 Belmont Road, Sittingbourne, left £2,421 (£2,381 net).

MR. E. T. HAYBALL, M.P.S., 36 Grimsby Road, Cleethorpes, Lincs, left £789 (£723 net).

MR. H. A. MECOY, M.P.S., Ridgeway, London Road, Horndean, Hants, left £7,785 (£7,223 net).

MR. J. W. HUTCHINSON, M.P.S., 120 Sandy Lane, Skelmersdale, Lancs, left £8,115 (£6,210 net).

MR. A. C. BURN, M.P.S., Windsor Cottage, Spittal, Berwick-on-Tweed, left £13,086 (£9,649 net).

MR. J. W. PRIVETT, M.P.S., 4 Beaconsfield Road, Clacton-on-Sea, Essex, left £4,020 (£3,857 net).

MRS. JEAN M. D. NEWCOMBE, M.P.S., 467 Cranbrook Road, Sutton, Surrey, left £3,738.

MR. J. T. NICHOLL, M.P.S.I., M.P.S.N.I., 2 High Street, Belfast (a director of I. W. Nicholl Ltd., and a past-president of the Pharmaceutical Society of Northern Ireland), left £130,299.

COMPANY NEWS

C. Olley & Sons, Ltd.—Mr. H. Denis Olley (works manager) has been appointed director.

Gillette Industries, Ltd.—Trading profit rose by £1,046,261 to £4,448,739 in the year ended November 30, 1951.

Coleman & Co., Ltd.—Consolidated trading profit to March 31 was £82,105 (against £117,988 in the previous year), and with other income the total is increased to £115,976 (£128,575). Final ordinary dividend, 7½ per cent. (same) plus bonus 1¼ per cent. (3¾ per cent.), making 13¾ per cent. (16¼ per cent.).

Permutit Co., Ltd.—Profit for 1951, after tax, was £86,513. A dividend of 17½ per cent. (less tax) on ordinary shares is to be paid. The chairman's speech, circulated with the accounts, stated that the ion exchange resin manufacturing plant in South Wales would continue to expand during the current year.

Aspro, Ltd. — Preliminary statement shows a decline in gross trading profit and investment income from £991,154 to £784,541 for the year to March 31. After taxation of £369,184 (against £466,398) the net profit is £221,655 (£332,554). The ordinary dividend is maintained at 35 per cent., less tax, with an unchanged final of 20 per cent. Products are now sold in eighty countries.

Beecham Group, Ltd.—Subject to audit the trade profit for the year ended March 31 is £2,605,058 (against £2,735,077 in the previous year) including £112,154 (£102,516) from overseas subsidiaries not currently remittable owing to exchange restrictions. Interim dividends aggregating 36 per cent. have been paid on deferred shares and a final of 4 per cent. is proposed in which the shares issued in April will participate.

Boots Pure Drug Co., Ltd.—The annual report of the chairman (Lord Trent) states that where there has been a fall in prices of stocks (for example, cotton goods) the value of stocks has been written down by over £100,000 and has been done out of current profits; no part of the stock reserve has been used. The group do not expect to be liable to excess profits levy for the year ended March 31 because the extra profits obtained over the standard period are covered by the allowances on the additional capital employed in the business, derived from profits ploughed back and from fresh capital contributed by the shareholders. Lord Trent points out that the company is paying £500,000 more in direct taxation than two years ago. Since April 1 the company's retail business has shown "a healthy increase." (For accounts see *C. & D.*, July 5, p. 7.)

Voluntary Liquidations

Rees Brothers (Chemists), Ltd., 937 Llangyfelach Road, Treboeth, Swansea. Liquidator: Mr. E. Rees (of the same address).

N. & M. Gould, Ltd., wholesale chemists, 52 High Holborn, London, W.C.1. Liquidators: Messrs. J. P. Landau (of the same address) and R. P. Booth, 14 Holborn Viaduct, London, E.C.1.

New Companies

Aegean Sponges, Ltd. (P.C.).—Capital £100. To carry on the business of importers and exporters of and dealers in toilet and industrial sponges, etc. Mervyn R. Bartlett, Emanuel Vorias and Minas Emiris, directors.

Reichhold Chemicals, Ltd. (P.C.).—Capital £100. To carry on business as manufacturers and merchants in chemicals, etc. Alice E. Price and Violet C. Brown, subscribers. R.O.: Beckacite House, Speke, Liverpool.

Alex Reed & Co., Ltd. (P.C.)—Capital £2,000. To carry on the business of manufacturers of and dealers in chemical products, disinfectants, etc. Benjamin Gilford, and Alex Reed, directors. R.O.: 36 Oxford Street, London, W.1.

Apteka, Ltd. (P.C.)—Capital £3,000. To carry on the business of manufacturing, wholesale and retail chemists and druggists, etc. Bronislaw A. Hryniewicz, Bogdan J. Dalski, and Leopold A. Oliwa, directors. R.O.: 68 Fulham Road, London, S.W.3.

A. S. Watson & Co., Ltd. — Capital $6 millions. Registered in Hong Kong on January 19, 1886, to carry on the business as wholesale and retail chemists, etc. British address: 64 Crutched Friars, London, E.C.3. Frederick W. Lawday and Edward C. Whyatt are authorised to accept service of process and notices. Sir Shouson Chow, Reidar Johannessen, William Paterson, William A. Stewart, Li Tse Tong, Ralph A. Wadeson and Hon. Philip S. Cassidy (all of Hong Kong), directors.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

Mr. A. Blenkinsop asked the Minister of Health, on June 30, whether he would advise hospitals to exempt all out-patients in receipt of National Assistance benefit or suffering from a war disability from the prescription charge.

Mr. Iain MacLeod (Minister of Health) replied that hospital authorities had been advised that no initial payment would be required if appropriate evidence was produced in such cases.

Annulment of Levy Sought

Mr. H. McNeil moved Opposition prayers on July 2 to annul the Health Service charges on dental treatment, drugs and appliances, pay-bed hospital accommodation and hospital drugs and appliances. He understood that the out-patients departments of some hospitals were not very zealous in the collection of the levy. How was it possible to check on such hospitals? Mr. A. Blenkinsop, seconding the motion, said that it was a "tragedy" that so many professional men today should have to spend so much time in administration instead of in the performance of what they were qualified to do. What was the Minister of Health proposing to do to make sure he had reliable information on the effects of the levy on the public?

Mr. H. N. Linstead referred to his position in the Pharmaceutical Society and said that the Society was not concerned in negotiations concerning chemists' remuneration. Continuing, Mr. Linstead said that he had been surprised at the smooth way in which pharmacists had been able to collect the shillings and in acting as "public relations officers for the Minister." After further discussion Mr. MacLeod said that from the information available it appeared that there was no noticeable decline in the number of hospital prescriptions dispensed, there was no variation in the quantities of drugs ordered on prescriptions, there was no falling off in the number of hospital out-patients, no increasing of queueing in out-patient departments, and generally the charges had introduced no difficulties. During June (not a typical month) there had been a 15 per cent. drop in prescriptions. In Scotland applications for relief from the charges were 272 out of one million. The Opposition motions were defeated.

PERSONALITIES

Mr. Stanley Earl Greenwood, M.P.S., Bolsover, Derbys, recently addressed the Chesterfield Rotary Club on "The History, Culture, Political Economy, Art and Literature of Spain."

Mr. A. H. Munroe (export sales manager, Halex, Ltd., Highams Park, London, E.4) has returned from a business trip to the Far East. He travelled 28,000 miles and visited seven countries in three and a half months.

Mr. Arthur Elliott Sewell, M.P.S. (managing director, A. E. Sewell, Ltd., High Street, Huntingdon), retired on July 1 at the age of seventy-three, after over half a century as a pharmacist (forty-one years in Huntingdon). Mr. Sewell served his apprenticeship, in his native Peterborough, with the late Mr. J. W. Bodger, beginning in 1896. Later he went to Great Yarmouth as an improver. He qualified in 1902 after studying in London. He then worked in several towns including Twickenham, Warwick and Fulham. For six years before taking over the business in Huntingdon from Mr. L. R. Dalgleish, he returned to Mr. Bodger as manager. Thirteen years ago Mr. Sewell took Mr. E. Naylor into the business and converted it to a limited liability company. Mr. Sewell is a former director of the Huntingdon Gas Company.

BUSINESS CHANGES

Mr. A. C. G. Florence, M.P.S., has acquired the business of Mr. A. T. Munro, M.P.S., 41 Sinclair Drive, Glasgow, S.1, and will carry it on under his own name.

Kenneth Reed & Co., Ltd., 47 Victoria Street, London, S.W.1, have acquired the pharmaceutical engineering business of J. W. Pindar & Co., Drakefell Road, Brockley, London, S.E.4.

Appointments

Barclay & Sons, Ltd., of London and Brighton, have appointed Mr. D. Simpson their representative in Northern Scotland including Perth and Angus.

Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have appointed Mr. R. W. Oxtoby, manager of their Singapore House and for South-east Asia. He will leave Britain early in July. Mr. A. Robertson, M.P.S., has been appointed their chemists' and medical representative for Edinburgh, East-central Scotland and the Highlands.

ADVICE ON ENDORSING PRESCRIPTIONS

To advise chemist contractors under the National Health Service as to the most useful endorsements to be put on EC10 forms where the prescriber's wording is insufficiently precise the Joint Pricing Committee for England has issued the following information. The Pricing Committee states that prescriptions that cause doubt in dispensing also cause doubt in pricing. It is essential to ensure that each prescription gives all information necessary for accurate pricing. The following list indicates the type of prescription where correct endorsement would save considerable time in the pricing bureaux.

1. *Quantity and Strength* must be stated (e.g., "Tab. pethidin mitte 25" state what strength was supplied).

2. *Incorrect Strength.*—Where the prescriber orders non-existent strength, e.g., "caps. Seconal gr. 3 mitte 24", the chemist should indicate how the dosage was supplied, e.g., "caps. Seconal, gr. 1½ mitte 48."

3. *Slips of the Pen.*—A recent prescription called for "2 x 3" "Ulcers of leg." Such should be clarified.

4. *Private or Local Formula.*—Where a short title is used to order a private formula, e.g., "Mist. B.P.C.", the prescription should be endorsed with the full formula.

5. *Ambiguity.*—Some prescriptions do not indicate in what form the medicament was supplied, e.g., "P.A.S., 3 gm. 5 times daily mitte 500." Such prescriptions should indicate whether mixtures, powders, cachets, etc., were supplied. Cremor adrenalin. is another example as there is no standard formula for this preparation. Endorsement as to the formula or maker's name would assist pureaux.

6. *D.D.A. and Urgent fees.*—Where these are claimed, note that in the case of urgent prescriptions, the prescription must be endorsed "Urgent" by the prescriber and time of dispensing must also be endorsed by the dispenser. D.D.A. prescriptions must be so marked by the chemist.

7. *Claims for broken packages of proprietary preparations.*—Such claims can only be entertained (a) in the cast of prescriptions ordering proprietary preparations; (b) where the chemist has no reasonable outlet for the remainder; and (c) for the size next larger than the quantity ordered. Such claims should state the size from which dispensed and that the remainder is claimed. Ambiguous terms such as "broken bulk," "ullage," etc., should be avoided.

8. *Penicillin.*—Clause 15 of Part 1 of the Tariff stipulates that the chemist should state whether powder or tablets were used in the preparation of creams and watery preparations. That is rarely done.

9. *Trusses and Hosiery.*—State the type and trade supplied, the maker's name and cost price.

10. *Oxygen.*—The prescription must show the quantity supplied. It is necessary (see clause 17 of Part I of the Drug Tariff) to state the date supplied and where possible the date of return of the cylinder and to indicate what fittings, if any, were supplied. Attention is drawn to the requirement that if the cylinder and fittings are retained for a period exceeding 14 days immediate notice must be given to the Executive Council.

11. *Proprietary Preparations.*—Where the quantity ordered differs from an original pack, state the size from which dispensed, not the cost price. Any claim for out-of-pocket expenses should be shown independently of the net cost of the drug. Only in special circumstances, as when a proprietary is obtained from a neighbouring pharmacist at a price which does not correspond to the normal, should the cost be stated together with a reason for the unusually high price. That also applies to the occasional prescription which calls for a special preparation that has to be prepared specially by a manufacturer.

12. *Vacine and Serums.*—It is essential that both the name of the maker and the size should be stated.

13. *Oral Penicillin Tablets.*—The strength and price must be stated. While in the case of penicillin lozenges an original unopened package should be supplied only the number of oral tablets ordered should be supplied.

14. *Boric Lint.*—Where a prescription orders boric lint 8 oz. size 8 should be dispensed not size 16.

15. *Gauze by Weight and Lint by Length.*—Prescriptions ordering gauze 1 lb. or lint x yards are often submitted with no indication as to what has been supplied. It is helpful to state what has been supplied.

16. *Appliances.*—For all appliances priced in the Drug Tariff it is unnecessary to endorse a cost price on the prescription. The Bureau can only give the price stated in the Tariff.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, July 13

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, coach from Romford at 10 a.m. for visit to Whipsnade Zoo.

Thursday, July 17

LONDON CHEMISTS' GOLFING SOCIETY, South Herts Golf Club (Telephone: Hillside 2035). Fixture.

Potions or Pills?—The report which . . . suggested that a substantial saving might be effected if doctors would prescribe tablets rather than bottles of medicine may go to the root of one problem, but it raises a few more. Has the psychology of the business been taken into account? Pills, generally speaking, are mass-produced—reach-me-downs, so to speak—whereas the doctor's bottle is made to measure. . . . He [the patient] prefers not to be given something out of stock.—A correspondent in the "Manchester Guardian."

NEW MARKINGS FOR GAS CYLINDERS

As a step towards the removal of the danger of confusion from lack of uniformity in the markings on gas cylinders (particularly when doctors from Commonwealth or foreign countries work in hospitals in Great Britain) a high measure of international agreement has been reached on the standardisation of the colours, names and symbols of medical gas cylinders, and the British Standards Institution has recommended by an amendment No. 1 to British Standard 1319:1946, issued on June 23, that gas cylinders be painted externally with various colours in accordance with the following table, to provide a means of visual identification of the gaseous contents of the cylinder.

TABLE

Gas	Symbol	Valve End* Colour	Body Colour
Oxygen	O_2	White	Black
Nitrous oxide ...	N_2O	Blue	Blue
Cyclopropane ...	—	Orange	Orange
Carbon dioxide ...	CO_2	Grey	Grey
Ethylene	C_2H_4	Violet	Violet
Helium	He	Brown	Brown
Nitrogen	N_2	Black	Grey
Oxygen and carbon dioxide mixture ...	O_2+CO_2	White and Grey	Black
Oxygen and helium mixture	O_2+He	White and Brown	Black
Air	—	White and Black	Grey

*The colours recommended for the valve end are at present being considered by the appropriate committee of the International Organisation for Standardisation.

Where to Apply Paint

The identification colours to be applied to the valve end of the cylinder should extend down the cylinder for approximately one-third of its length. In the case of mixtures the colours for the gases comprising the mixture should be applied in four segments, two of each colour. It is also recommended that the name and/or chemical symbol of the gas as given in the above table should be stencilled in paint on the shoulder of the cylinder; that the letters be not less than $\frac{3}{8}$ in. high on cylinders up to and including 3 in. diameter, not less than $\frac{1}{2}$ in. high on cylinders over 3 in. and up to and including 4 in. diameter, and $\frac{3}{4}$ in. high on cylinders above 4 in. diameter.

Suppliers have devised a scheme for the collection and repainting of cylinders in a short time. The repainting of nitrous oxide cylinders will commence on August 1. Other gases, one or two at a time, will then be dealt with.

What Hospitals Must Do

The Ministry of Health has outlined in a memorandum the action to be taken in hospitals on the forthcoming changes and emphasises the need for the greatest vigilance during the change-over period to avoid confusion and danger. Reliance will be placed primarily on the name of the gas or the symbol stencilled on the cylinder and not the colour. An administrative officer will be appointed in each hospital who will draw the attention of each doctor, nurse, midwife and dentist to the changes. He will be responsible for having a tie-on tally attached to each cylinder bearing the words "Danger, colours are being changed. Read the label and check the symbol and name of gas." The officer will carry out frequent inspections to see that the tallies are in position on all cylinders used in the hospital. The final responsibility of the anæsthetist for satisfying himself as to the nature of the gas he is using is pointed out.

In a circular letter to customers The British Oxygen Co., Ltd., state that it is essential that after August 1 the very earliest opportunity should be taken to return every available cylinder, full or empty, for repainting. Full cylinders returned will be sent back or credited. When the repainting of the nitrous oxide cylinders has progressed sufficiently the repainting of other cylinders will begin. Customers will receive information on that from the company. The whole process of changing the cylinder colours for all medical gases is expected to take approximately nine months. It is requested that everything possible be done by customers to ensure that in three months from the start of the operation every nitrous oxide cylinder can be blue.

The Medical Defence Union, the Association of Anæsthetists, and the British Oxygen Co., Ltd., under the ægis of the British Standards Institution, are still considering the possibilities of introducing a non-interchangeable valve that would render it well nigh impossible for an anæsthetic apparatus to be rigged in the wrong manner, thereby permitting the delivery of the wrong gas.

TRADE NOTES

Gift Tube.—D. & W. Gibbs (U.K.), Ltd., Bridewell Place, London, E.C.4, give details on another page of their offer to purchasers of tubes of Gibbs S.R. of a "junior" tube free.

Distribution in Peru. — Eduardo A. Chocano, S.A., Lima, Peru, seek exclusive selling rights in Peru for proprietary medicines, biological products and children's medicines.

Summer Display Stands. — Southon Laboratories, Ltd., 85 Upper Richmond



Road, London, S.W.15, invite retailers to apply for new display stands which link with bonus display terms on Esoban cream of calamine.

Antihistaminic Drug.—On another page William R. Warner & Co., Ltd., Power Road, Chiswick, London, W.4, give details of prices and packings of Diatrin, an antihistaminic drug.

A New Teat.—J. G. Ingram & Son, Ltd., Hackney Wick, London, E.9, announce the production of a new spiral teat, details of which are given on another page.

New Chlorophyll Preparations.—On another page details of chlorophyll lozenges and toothpaste under the name Kerofil are given by the makers, Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Ashton-under-Lyne, Lancs.

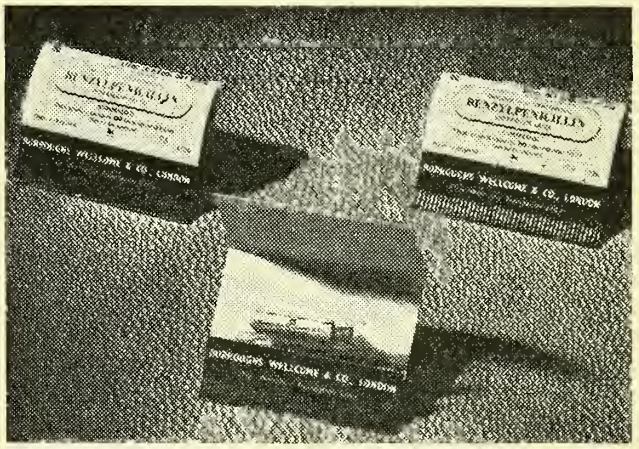
Range of Vacuum Flasks.—British Vacuum Flask Co., Ltd., Lissenden Works, Gordon House Road, London, N.W.5, invite inquiries about their range of freezeat vacuum flasks, details of which are given on another page.

A New Strength.—Tablets of Veriloid brand *Veratrum viride* alkaloids are now being issued by the makers, Riker Laboratories, Ltd., 29 Kirkewhite Street, Nottingham, in 2 mgm. tablets in addition to the 1 mgm. strength.

Tablets Available.—F.A.I.R. Laboratories, Ltd., 179 Heath Road, Twickenham, Middlesex, announce that supplies of Roter tablets and Rotercholon are expected shortly.—Supplies of all tablets in the National Formulary 1952 are available from the Cooper Laboratory, Ltd., Old Farm Road, West Drayton, Middlesex, who invite inquiries.

A New Antibiotic.—A new antibiotic substance which has been given the name Ilotycin has been discovered by the research department of Eli Lilly & Co., of Indianapolis, U.S.A., as a result of five years' intensive research. Obtained from a soil organism it is a broad-spectrum antibiotic effective against certain organisms which have developed resistance to penicillin or other antibiotics. It may be administered orally, and so far as experiments have gone it seems to have few undesirable side-effects.

New Products and Packs.—From July 4, Tabloid brand ophthalmic benzyl penicillin (potassium salt) has been available from the makers, Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1,



in single tubes containing 20 tablets (500 i.u. per product) strip-packed in a Sealtite envelope affixed in a catch-cover. The catch-cover allows the pack to be carried in pocket or handbag by ambulant patients requiring frequent application of the tiny product.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced solution-tablets each containing penicillin 15,000 units and sodium citrate 30 mgm. (gr. ½) under the name penicillin for eye drops. They are intended to facilitate the extemporaneous preparation of penicillin eye drops, B.P.C., N.F. —Menley & James, Ltd., Coldharbour

Lane, London, S.E.5, have introduced a new strength of Eskacillin which contains 100,000 i.u. penicillin per teaspoonful. The preparation in the new strength is known as Eskacillin 100. The penicillin is in the form of granules (in a separate vial) which dissolve quickly in the vehicle.—WARD, BLENKINSOP & Co., LTD., 6 Henrietta Place, London, W.1, re-introduced the 500 c.c. size of Viacutan solution on July 1. The solution should be dispensed in the form in which it is received and should be stored in well-filled, tightly closed amber bottles in a cool, dark place.—EVANS MEDICAL SUPPLIES, LTD., are issuing Hepovite proteolysed liver tablets each containing 0.5 gm. proteolysed liver (equivalent to about 3 gm. of fresh liver) and containing growth factors. The tablets are issued in containers of twenty-four.—CALMIC LTD., Crewe, have made available a new tablet for gastro-duodenal ulceration containing a new buffering agent, dihydroxy aluminium aminoacetate. Details are given on another page.—MURPHY CHEMICAL CO., LTD., Wheathampstead, Herts, are marketing Murvesco wettable red spider control containing 20 per cent. para-chlor-phenyl benzene sulphonate.—PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex, are issuing Thalazole brand phthalysulphathiazole in the form of a suspension, which is particularly suitable for children.

Medical Films. — Branch secretaries, etc., who may now be arranging their 1952-53 programmes, are reminded that the films listed below may be borrowed free of charge from the Documentary Film Unit of May & Baker, Ltd., Dagenham, Essex. Projection facilities for films and filmstrips, and a lecturer, are also available if required. "Medical Applications of Sulphonamides" (running time 34 minutes); "Some Aspects of Muscle Relaxants" (28 minutes); "Antihistamine Agents" (medical edition) (32 minutes); and "Sialography Technique" (15 minutes); a filmstrip "Sialograms" is available with the film for more detailed study. All films are 16-mm., with sound. Synopses will be sent on request to the company.

NATIONAL PHARMACEUTICAL UNION

(*Concluded from* THE CHEMIST AND DRUGGIST, *July* 5, *p.* 13)

The following resolutions were received from N.P.U. branches:—

West London Branch.—"That all EC10 forms be fully completed by the physician, i.e., age if under fourteen, address of patients, etc., as it is only by this means that it is possible to identify the patient in a number of cases."

It was resolved that the resolution should be received and its subject matter taken up with the British Medical Association and with the London Pharmaceutical Committee.

North Metropolitan Branch.—"That the N.P.U. be asked to approach the Ministry through the existing channels, with a view to limiting the number of dispensing points in a similar way as doctors' practices and thus ensuring the continued efficient service to the public."

It was resolved that the resolution should be received and the Secretary instructed to reply to the branch explaining that the executive considered that as limitation of pharmacies would create a monopoly value for existing businesses it would lead to developments inimical to the interests of private chemists.

THE CHAIRMAN reported that the British Pharmaceutical Codex dressings subcommittee had received a request for the provision of standards for animal wool and sought the views of the executive. It was resolved that the request should be supported. THE SECRETARY reported upon the proceedings at a meeting of the full council of the retail pharmacy Joint Industrial Council held on May 29 and upon a meeting of the employers' side held on the same day. Instructions were given to the N.P.U. representatives on the policy to be followed at the next meetings of the employers' side and of the full council being held on July 3 when further consideration would be given to the employees' side claim for increased remuneration for pharmacy managers, qualified and unqualified assistants and shop assistants.

The executive received a copy of the report of the Inter-departmental Committee on the Registration of Opticians (see *C. & D.*, May 17, p. 663). It was resolved that the secretary should make such inquiries on its effect on chemist-opticians, as he considered appropriate, and then to report back to the Executive Committee.

THE SECRETARY reported that through the death of Mr. T. Noel Dixon there was a vacancy on the N.P.U. executive for a representative of the Western 1 Electoral Division. It was resolved that a by-election should be held to fill the vacancy.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on June 27, the vice-president (Mr. W. H. Boyd) in the chair. Also present were Messrs. S. E. Campbell, H. J. Cousley, H. H. Cowzer, H. P. Crossin (treasurer), W. P. Ewart, H. F. Moore, J. McGregor, P. R. W. Shinner, Walter C. Tate and Professor E. B. C. Mayrs. The secretary (Mr. W. Gorman) was in attendance. Apologies for absence were received from the president (Mr. H. W. Gamble) and Messrs. C. Abernethy and James Irwin.

A letter was received from the Ministry of Home Affairs stating that Mr. F. R. Moore had been nominated to represent the wholesale drug trade on the Council of the Society for a further three years.

Midwife's Poisons Authorisation

The secretary reported receipt of Regulations (S.R. and O., Northern Ireland, 1952, No. 68) made by the Ministry of Home Affairs under section 9 of the Dangerous Drugs Act, 1951, authorising a certified midwife to procure medicinal opium, tincture of opium and pethidine upon furnishing to the person supplying it a midwife's supply order. The order must include the name of the drug or preparation, the purpose for which required and the total quantity to be supplied, or if supplied in ampoules, either the total quantity or the total quantity intended to be administered or injected. The order must be signed by the Medical Officer of Health of the local supervising authority for the district or by a person authorised by him in writing.

Also received was a copy of S.R. and O., Northern Ireland 1952, No. 36, making the following amendments to the Poisons Regulations:—*First Schedule,* an exemption is provided for procaine where it is an ingredient or part of any preparation to which the Penicillin Act, 1947, applies. Chlorcyclizine, promethazine, paramethadione and gallamine are added. *Third Schedule,* chlorcyclizine and promethazine are added to the first column in the item commencing "antihistaminic substances." Para tertiary amyl phenol is added to the second column opposite the item "phenols" in the first column. *Fourth Schedule,* the following are added: chlorcyclizine, promethazine, paramethadione, gallamine, its compounds.

After consideration of a letter from the secretary, Northern Ireland Branch, British Medical Association, about the relationship of doctor and pharmacist, it was decided to ask that an agreement be entered into between the two bodies in terms similar to that in existence between the B.M.A. and the Pharmaceutical Society of Great Britain.

An invitation from the Londonderry and Strabane Chemists' and Druggists' Association to hold the next Council meeting in Londonderry was accepted. It was agreed to hold the meeting on July 24 and to thank the Association.

After consideration of letters from the North-east Ulster Chemists' Association about the sales of poisons from vans it was decided to refer the matter to the Ministry of Home Affairs.

The report of the Board of Examiners on the June, 1952 examinations showed that in the Preliminary Scientific examination, twenty-nine candidates passed, forty-three failed, four were referred in biology, twelve in chemistry and two in physics. In the Final Qualifying examination, twenty passed, eighteen failed, ten were referred in chemistry and one in pharmacognosy.

The certificate of apprenticeship to a Pharmaceutical Chemist was granted to Norman McClean, Antrim.

N.I. HEALTH BOARD

IT was reported to the Northern Ireland General Health Services Board at its meeting in Belfast on June 25 that the Medical Advisory Committee recommended no further action in a case submitted by the Local Pharmaceutical Committee drawing attention to the situation of chemists in some rural areas where doctors also dispense. The secretary submitted a complaint from a chemist in connection with a prescription for linctus scillæ opiatus. The chemist contended that as the prescription was for a child the age of the child should have been marked on the prescription. He dispensed the prescription "pro infans" and the mixture had been returned to him on the instructions of the doctor to dispense what had been ordered. The Committee agreed that there was no question of a dangerous dose having been prescribed and that the chemist had committed an apparent breach of his terms of service in not dispensing what had been ordered.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held in London on July 1 and 2, the president (Mr. W. J. Tristram) in the chair. THE REGISTRAR said that retention fees for 227 persons and of seventy-three sets of premises had not been paid for the current year, the names were given and the Council directed that they should be removed from the registers. A further list of 114 pharmacists who had not paid their retention fees, but who had intimated their wish to retire, was submitted. The registrar reported that since the previous meeting twenty-four persons had been registered as apprentices or students, making a total of 264 in the current year. Six pharmacists formerly resident in other countries were registered under reciprocity arrangements.

Educational Grants

On the recommendation of the Education Committee, the Council adopted the following formula as the basis for making the Society's grants for (1. general, and 2. special) purposes:—

1. Grants may be made to institutions in recognition or encouragement of services to education or research.

2. Applications from individuals and institutions for financial assistance in developing educational and research facilities will be received where provision could not reasonably be expected to be made by the individual or institution in the normal way or where there are special circumstances which make such provision difficult. Assistance may take the form of grants for:

(a) the maintenance of research workers and the provision of scientific, technical, clerical or other services;

(b) special apparatus and materials or other expenses necessarily and specially incurred by such workers;

(c) the maintenance of persons undergoing training in research methods or further training in a particular subject or subjects.

MR. C. W. MAPLETHORPE (chairman of the committee) said that the committee had also considered grants for general education in the current year in the light of a Council decision that the Society's expenditure on pharmaceutical education should not be less in the future than it had been in the past. He had been authorised to recommend grants to certain institutions from the unexpended balance of £10,000 earmarked for expenditure during the current year. He proposed that, in recognition of the granting of a Charter to the School of Pharmacy, University of London, the Society should give £2,000 to be expended in a commemoration of that event. He also recommended the following grants:—£250 to the Chelsea Polytechnic to complete the fund required for equipping a research laboratory; £1,000 to the University of Manchester; and £1,000 to Brighton Technical College. Those and other institutions would be entitled to apply for grants under the terms set out above. The Council approved the recommendations and a proposal that there should be a review of existing research scholarships with the object of increasing their value and of adding to their number.

It was reported that a formal acknowledgement had been received from the Minister of Health of the resolution on the shilling charge for prescriptions passed at the annual meeting (see *C. & D.*, May 31, p. 739).

Chairmen of Committees

Reports of Council committees showed that chairmen had been elected for the ensuing year as follows:—*Education:* Mr. Maplethorpe; *Benevolent Fund and War Aid:* Mr. E. A. Brocklehurst; *Establishment:* Mr. Granville Shaw; *Finance:* Mr. W. S. Howells (treasurer); *Organisation:* Mr. G. H. Hughes; *Publications:* Dr. B. A. Young; *Law:* Mr. H. Steinman and *Ethical:* Miss M. A. Burr.

The President was appointed to represent the Society at a meeting of the Council of the International Pharmaceutical Federation being held in Vienna from September 9 to 11. The vice-president, the chairman of the Organisation Committee, and Mr. F. C. Wilson, were appointed representatives of the Council on the Executive Committee of the British Pharmaceutical Conference and with the addition of the president the Council reappointed Messrs. D. W. Hudson, Maplethorpe, Steinman and Wilson to be its representatives on the Joint Committee with the British Medical Association.

The Council approved the Film Committee's proposal to seek a sponsor for the production of a film on aseptic dispensing.

It was reported that the Council had called a meeting of a number of pharmacists interested in the history of pharmacy to consider how the study of that subject should be organised. In accordance with a recommendation of the meeting, the Council decided to establish a committee

esponsible to the Council with the following terms of reference:—

(1) Promotion of study and research in the history of pharmacy, including the holding of meetings and publication of reports, articles, and books: (2) recording and preservation of objects of historical pharmaceutical interest; (3) acquisition by the Society of such objects by gift or purchase: and (4) participation in international activities dealing with the history of pharmacy.

The Benevolent Fund and War Aid Committee reported that it wished to hold monthly meetings to deal with business relating to Birdsgrove House, and that they should be held in London, except those held in March, June and October, which should be held at Birdsgrove House. The Birdsgrove House subcommittee should not be reappointed. Its work should be undertaken by the Benevolent Fund and War Aid Committee, with power to co-opt local members to attend its meetings at the home. In reply to MR. F. G. WELLS, THE CHAIRMAN said that the change would simplify procedure and would reduce the number of meetings held at the home.

The old people's home subcommittee was reappointed as follows:—Mr. and Mrs. E. A. Brocklehurst, Miss Burr, Messrs. Heseltine, Howells, Tristram and Wilson.

The Council decided to send twenty-five guineas to the International Pharmaceutical Students' Federation as a contribution toward the expenses of a camp and study tour to be held in August.

Supply of Amidopyrine Sulphonates

In the report of the Ethical Committee attention was called to recent evidence that amidopyrine sulphonates were capable of causing agranulocytosis. On the committee's recommendation, the Council decided to issue a notice to members advising that those preparations should not be sold except on the prescription of a medical practitioner pending their inclusion in the First and Fourth Schedules to the Poisons List.

The Council adopted a recommendation by the Education Committee that the Bristol College of Technology and Plymouth Technical College should be approved for providing a two-year final course for the Qualifying examination commencing in the autumn of 1952. The Law Committee's report stated that in May the Society's inspectors and agents visited 1,113 authorised sellers, 102 listed sellers and 717 drug stores and similar traders. Ten cases of alleged infringements of the Pharmacy Acts were considered, and appropriate action taken.

STATUTORY COMMITTEE HEARINGS

THE Statutory Committee of the Pharmaceutical Society at a meeting in London on July 2 decided not to remove from the register the name of a pharmacist who had pleaded guilty to having unlawfully used an instrument with intent to procure a miscarriage. THE CHAIRMAN, giving the Committee's decision, said that at the original hearing [on July 4, 1951, (see *C. & D.*, 1951.II.34)] the Committee had decided in all the circumstances to adjourn the case for a year, and in the light of reports on the pharmacist's conduct during that period they had decided that his name should not be removed from the Register.

In a second case a pharmacist was charged with suffering from the effect of drink or drugs to such an extent as to be unfit to be in charge of the business on January 21, while acting as the pharmacist in charge of a chemist's business. Evidence was given by a customer that she took a prescription to the pharmacist at about 6.15 p.m. The pharmacist told her not to come near him because he had a cold. She saw that he fumbled with tablets and dropped some and wrote illegibly on the box. He appeared to be staggering, and he gave her the wrong instructions about the tablets and then corrected himself. She felt that he was drunk, or ill, and fearing that the prescription had not been made out correctly, she went back to her doctor. Evidence was also given by a police surgeon and sergeant, and the pharmacist. After the Committee had considered the case, THE CHAIRMAN stated that they were abundantly satisfied that the accused had been in a state of severe intoxication and was in an unfit state to be in charge of a pharmacy. In those circumstances, the Committee were of the opinion that his conduct was such as would justify the removal of his name from the register. However, as it was the only occasion upon which the pharmacist had been in that condition in his shop, as far as was known, and in view of an assurance, which the Committee accepted, that since January of this year he had kept off whisky, the inquiry would be adjourned for twelve months. The pharmacist would be asked to attend again then, before then to provide satisfactory written evidence as to his conduct, particularly in relation to alcohol during that period.

RANKIN BROTHERS & SONS
(RANKINS PARTNERS, LTD.)
139 BERMONDSEY ST., LONDON, S.E.1
for **DISPENSING**
CORKS
OWNERS OF THE FINEST
CORK FORESTS IN PORTUGAL

TRAGACANTH
SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philpot Lane, London. E.C.3
MANsion House 1924 & 6600 Estd. 1826

Culmak
SHAVING BRUSHES

BURROUGH'S
S.V.R.
DOUBLE RECTIFIED
JAMES BURROUGH LTD., 4 Cale Distillery, London, S.E.11

MANUFACTURERS OF
'OAK BRAND'
FINEST QUALITY
TONGUE DEPRESSORS
AURAL PROBES
POSTAL BOXES, Etc.
WHOLESALE ENQUIRIES to:—
J. HATHWAY & SONS (BERMONDSEY) LTD
36 Raymouth Rd., BERMONDSEY, S.E.16
TELEPHONE : BERMONDSEY 1186/7

To Wholesale Buyers & Trade Packers **STANDARD SACCHARIN TABLETS**
Bulk (loose) or packed by arrangement
ASPIRIN TABLETS B.P. 5 gr.
From odd thousand at 5/0½ per 1,000 to a million at 4/3½ per 1,000
CUSTOMERS OWN PROPRIETARY FORMULAE Tableted at a reasonable charge
THE DALES TABLET MAKERS LTD., Steeton via KEIGHLEY Phone: STEETON 3222

BROADSTAIRS PHOTO WORKS LTD.
The Quality First D. & P. Service
13-15 VICTORIA ROAD, RAMSGATE. *Thanet 52035*

LacQuit THE UNIQUE PERFUMED LACQUER REMOVER
NON-SMEARING — NON-DRYING
Order from YOUR usual Wholesaler or direct from
ANNE SCOTT PREPARATIONS
158 ALCESTER ROAD, BIRMINGHAM, 13



Used by MILLIONS
TO DESTROY INSECTS
SECTO EXTRA POWER **D.D.T.**
CUPAL LTD., Manufacturing Chemists, BLACKBURN

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

· VARIONEURIN
TULLS (enema)

The CHEMIST AND DRUGGIST
or RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859
Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades throughout the World
Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CLVIII July 12, 1952 No. 3777

Towards Greater Gas Safety

A WELCOME course has been taken by those interested in the handling and use of medicinal gases (see p. 42). At one step gas cylinders in use in Britain are to be made more readily identifiable and to conform in markings with standards that have obtained a large measure of international agreement. In future cylinders generally will carry more of their identifying colour, and they will also bear clearly a written indication of the gas or gas mixture that they contain. However, if the indication is in the form of the chemical formula it will require a little technical knowledge to understand. Special care in supplying cylinders to patients will be required during the repainting stage when chemists may have temporarily in their possession cylinders containing the same gas but of different appearance. To start the change simply, the re-labelling is to be limited to one gas, but it is understood that later the cylinders of more than one gas may be repainted simultaneously. In hospitals, where difficulties of changeover will be concentrated, adequate precautions are being specified, and it is to be expected that the administrative officers, who will be appointed to ensure that the changeover there is carried out safely, will work under the direction of the hospital pharmacist. At it is necessary in the interests of safety for the change to be effected as quickly as possible, closest co-operation between all suppliers and users is called for. The suggested non-interchangeable valves would be a further safeguard.

Bottles for Wrong Purposes

THE "Lancet" (June 14, p. 1,207) gives publicity to an inquest at Stamford, Lincs, on a hospital patient who died because formaldehyde solution instead of normal saline had been administered. The coroner declared that the accident arose from carelessness and should never have happened, but he declined to apportion blame, as he "had no doubt that the hospital authorities would so order their affairs in future that there could be no recurrence of so regrettable an accident."

The circumstances were that the bottle was put on a trolley by a student nurse, taken off by a second, and given to a house surgeon, who administered it. The surgeon noticed after two minutes of infusion that the patient's arm was becoming dusky, and a minute later that the bottle bore a label, the legend on which was "10% formaldehyde." He stopped the infusion, and the operating surgeon ended the operation, but without avail.

No more than the coroner do we wish to "apportion" blame in the sense of ascribing a percentage culpability to each person concerned. But in considering by what means it can be secured that there will be "no recurrence of so regrettable an accident" one is bound to note that the solution was correctly labelled but that three persons failed to read the label. Each evidently relied on the shape of the container. While, therefore, it remains true that there is no substitute for the surgeon's responsibility to check the label of any solution he uses, it is equally obvious that the public would have reason to feel happier if there were additional safeguards for patients.

The shape of the normal saline bottle is dictated by method of use and was never designed for identification of contents. If the shape of the bottle has that effect the only proper course is to restrict the bottle to that use, and never to fill an infusion bottle with any liquid other than an infusion solution. That is a responsibility that should lie upon the pharmaceutical staff no less heavily than the responsibility lies on the surgeon to check the label.

The particular example may be expanded into the general principle that no liquid should be put into an inappropriate

container. We go so far as to say that it is one of the things their training requires them to do, and that if they fail to carry it out there is not much point in the existence of pharmacists as an organised section of the community, with rights in return for responsibilities. Most pharmacists would claim that they act in accordance with those views. Yet the anomaly exists that the National Pharmaceutical Union asserts the right of its members to use beer and mineral water bottles as containers for medicinal liquids. In our view the Union should drop that attitude and come out on the side of reason and common sense—the use of every container for purposes appropriate to its shape and character. It may cause little harm to put olive oil into a lemonade bottle. But the right to do so has to be given up before the use of a transfusion bottle for formaldehyde can be fairly condemned. And if pharmacists are to maintain, as many do, that the surgeon or physician must shoulder the responsibility of reading the label, they must also ensure that what he finds on reading does not result in his condemning the pharmacist for putting it on a totally unsuitable container.

First Month of the Levy

While the Minister's statement on the reduction in numbers of prescriptions dispensed during the first month of the operation of the shilling prescription levy (p. 40) was wisely given with reservations, it accords, on the whole, with the individual reports of the levy's effect received from various parts of the country. These vary from "no change" to a 30 per cent. reduction in one area of Scotland. The true effect on medicine costs, however, must remain a matter of guess-work until the prescriptions have finally passed the pricing offices, by which time, at the current rate of progress, the answer to many may be academic. It would be wrong to describe the scheme as unworkable as Mr. Hector McNeill described the hospital part of it, but it cannot be applied without embarrassing incidents as shown, for example, by a correspondent (see p. 59). Chemists would be well rid of that part of the regulations which involves their being present at what is virtually a declaration of means in a public place. The requirement can also take up a substantial amount of professional time in certain districts, and on this score it is noteworthy that one local pharmaceutical organisation has shown its resentment by calling, perhaps optimistically, for extra payment for the unsought task.

Mechanised Hygiene for the Sickbed ?

In a machine now being produced in America (*C. & D.*, July 5, p. 23), pharmacists may see a challenger to a staple but humble item of their stock in trade—the bed-pan. As yet it is offered only for use in hospitals, and only in America. To classify it as a cloud no bigger than a man's hand would be an exaggeration, on two counts. On the one hand the apparatus is of such dimensions that it has to be mounted on castors for mobility. On the other, its price ($1,250 in the U.S. home market) militates against its being taken into stock in American drug stores or their equivalent or even in the more professional "prescription pharmacies." Still, as the demand grows and mass production becomes practicable, the price may come down. And there should certainly be no lack of appeal to hospital authorities, especially if they are, as in this country, often faced with difficulty in securing ward orderlies. Use of such mechanised methods might even conceivably be held out as an inducement in recruiting campaigns in hospitals, and, as a correspondent implies (see p. 59), in army medical corps.

The advantages of the machine are more than mechanical, obvious though these are to all who have had any acquaintance with the washing and disposal of bed-pans.

It would not seem over-optimistic to expect from the change of method a reduction in the risk of infection by contamination (and cross-infection is a serious headache in hospitals today). Nobody can question the advantage that, by comparison with the bed-pan, the new machine has a quality of the aesthetic which, as Sir Almroth Wright and George Bernard Shaw used to maintain, is a prime purpose of hygiene.

A POSITIVE APPROACH TO ETHICAL PROBLEMS

By Observer

RECENT reports suggest that the Council of the Society has not yet rrived at any conclusion in defining the thical behaviour of pharmacists. It is a omforting thought to all well-wishers of harmacy that Council members are thus oncerned, because it is largely by the con-uct of pharmacists that public opinion is noulded, and therefore their position in he community at large determined. During the past few decades, the status of harmacy has been raised and protected y various Acts of Parliament, but it hould never be forgotten that the Society an only influence legislation. Laws are nade as a result of the expression of public pinion reflected in the composition of Parliament, and neither the Society nor Parliament can go further in the advance-nent and protection of pharmacists than ublic opinion allows.

Rules of Ethics

It is wise, therefore, to establish sound ules of ethical behaviour, but one wonders vhether if all the present endeavours of the Council are likely to produce the desired esult. The National Health Service Act stablished the principle that dispensing is normally the function of pharmacists, and t was only to be expected that there would e many expressions of opinion concerning he ethics of advertising the dispensing ervices of a pharmacy. The current bal-nce of opinion seems to be that it is un-thical for a pharmacist to advertise dis-ensing, otherwise than by exhibiting an nnouncement on his premises that pre-criptions can be accepted there for dis-ensing. He must be circumspect in his ommunications to the medical profession, nd should not advertise dispensing away rom his premises even to the extent of elling doctors by circular letter what are is normal hours of business.

Before proceeding further with recom-nendations on those lines, it would seem ogical for members and the Council to be lear where dispensing begins and ends. It well known that the number of pro-rietary preparations ordered on prescrip-ons is on the increase. Further than that nany B.P. items (including tablets and ntibiotic preparations) which cannot rictly be termed proprietaries are in ractice treated as such, because the retail r hospital pharmacist is not concerned with their actual manufacture and packing. A vast amount of unsolicited literature concerning these proprietary preparations is received by medical practitioners from manufacturing chemists. On the other hand, the greatly increased dispensing work, coupled with shortage of staff, and the ban on advertising, has tended to cause pharmacists to take less interest in the policy behind their window displays. Manufacturers of ethical products have not been slow to help with displays of ethical products, including on the show material a reference to the fact that the pharmacy at which the display appears accepts National Health Service prescriptions. The displays tie up with advertising in the medical Press and by circular and thus promote the association of the firm's products with N.H.S. prescribing. The prestige of the manufacturing firm is enhanced from the public viewpoint and, if the firm has products available for purchase by the public, that rise in prestige is no doubt reflected in sales. It would be idle to deny that the manufacturing chemists are highly efficient sales organisations administered on a commercial basis. The mere advertisement of a brand name, for what is often a B.P. product, implies that so and so's preparation can be trusted, and opinion concerning a competitive product can safely be left to the imagination.

The question arises: Is it logical or fair to the retail pharmacist to allow registered pharmacists to call upon medical practitioners, in order to explain the merits of one particular firm's preparation at the expense of equally good but competitive products, and at the same time to forbid a retail pharmacist to advertise his dispensing skill? Is it right to forbid retail pharmacists to advertise dispensing in the Press or by mail, and still allow advertisements and circular letters concerning products that can be supplied only on prescription? There cannot be one set of rules for pharmacists engaged by wholesale companies and another set for those engaged by retail employers.

Prescriber's Point of View

Since prescribing is the responsibility of the medical practitioner, the views and thought of the medical profession are relevant to any discussion of dispensing practice. In recent years, treatment, the

training of medical students, and the outlook of medical practitioners generally have been revolutionised by advances in pharmacology, bacteriology, pathology, surgery and anæsthesia, physiotherapy, radiotherapy and other allied sciences. Treatment is now much more specific, and without so much reliance on palliatives now that many more diseases are curable. The doctor is encouraged to take a greater interest in the details of diagnosis, with the certain knowledge that the ultimate outcome for the patient is much more likely to be satisfactory than heretofore. He knows that physiotherapy and radiotherapy in certain conditions are more likely to produce a quick and permanent result for the patient than is medicine. With the development of anæsthesia, the possibilities of surgery are greater and, in many cases when considering treatment, it is now possible to regard as negligible the risks of surgery. Not only does the doctor realise the possibilities of new treatments, but patients themselves are becoming increasingly aware of their value. Nowadays, it is often unnecessary to persuade a patient that conditions such as certain peptic ulcers should be treated by surgery; in many cases it is more difficult to convince them of the merits of a bottle of medicine. These recent trends have tended to produce in the medical practitioner a more detailed interest in diagnosis, coupled with a broader approach to treatment and a readiness to take advice on its more detailed aspects.

Effect on Pharmacy

This attitude of mind has had its effect on pharmacy, because the doctor is losing the habit of devising his own particular formulas and is prepared to leave it to pharmacists to formulate the prescriptions, so long as the required active ingredients are included. This has produced a number of formula committees, but to the doctor it is immaterial whether the prescription is devised by the National Formulary or British Pharmaceutical Codex committee, or by some commercial undertaking. He has less time to write a prescription than formerly. Not unnaturally, if his wants can be supplied in a formula with a simple name, he will use that name and not concern himself with whether it is a proprietary or official one. It is not in the medical curriculum that a doctor has to be trained in commercial practice or in Trade Marks and Patents legislation, and generally speaking the average doctor has little knowledge on those subjects. The Pharmacopœia Commission has recognised the importance of nomenclature and issues lists of approved names for possible future official drugs, but few of these names are so easy to remember or spell, or so pleasing to the ear as their commercial equivalents. They are usually published in the medical and pharmaceutical Press, together with the correct chemical name for the substance, and no explanation as to their properties. The result is that, unless the doctor knows the true chemical name of the proprietary, he remains in ignorance of the existence of an approved name for a proprietary. The approved names are usually applied to the pure chemical substances and not to compounded formulas. One wonders, for example, if liq. chloroxylenolis, B.P.C., would not have a greater vogue if its synonym Roxenol had been made the official title.

Commercial Sales Policy

Many of the new drugs are the result of research by commercial concerns, some of which have their major interests outside pharmacy. Those companies have not always the same approach to sales policy as firms long established in pharmacy. Research staffs of companies have established liaison direct with the medical staffs of various institutions, and devise formulas in conjunction with those medical staffs. The results of the trials are published in reputable medical journals and acknowledgments given by the medical authors to the companies in question. The companies thus become associated with medical research and their reputation amongst doctors is enhanced. Once the reports of successful trials are published, propaganda representatives are sent to call on the doctors, sometimes leaving the pharmacist in blissful ignorance of what has developed.

A study of present-day prescribing and dispensing practices suggests that the trend is in favour of large-scale manufacture of preparations, followed by distribution through pharmacies, with the manufacturer maintaining a direct contact with the prescriber. That direct contact is probably a most damaging factor to hospital and retail pharmacists. The tendency for doctors to go direct to manufacturers with their problems will be accelerated if the retail pharmacist soft-pedals his dispensing, propaganda, while large-scale advertising, display, and canvassing of medical practitioners by registered pharmacists on be-

lf of proprietary preparations proceed checked. As time goes on many pharacists may find that what they had rerded as a purely professional occupation dominated by highly organised commerl practice, which make them mere illers of prescriptions."

ntrol Needed

It seems essential that, to meet this situan, there should be some impartial disbution of information, or a check on e propaganda of medical products. Docrs should be encouraged to discuss with e local pharmacist the pharmacological operties of various preparations. It is tle use to the community if a doctor ceives medical literature from a commerl house quoting published extracts conrning the effectiveness of preparation X the treatment of a particular disease, he is not told at the same time that eparation Y, which is manufactured by competitor, is equally effective at onenth the cost. The Society could do much enhance the status of a pharmacy in couraging the education of pharmacists recent trends in therapeutics, by encouring the use of better names for official eparations and a better dissemination of e chosen names amongst the medical aternity. Those policies could be pursued means of branch meetings and through e medical and pharmaceutical Press. ch measures represent a positive apoach to present-day problems, instead the negative attitude that dispensing all carry on as heretofore except that rtain practices will cease.

The National Health Act confirmed the inciple that a pharmacist is paid a fee his work quite apart from the cost of e drugs. If he assists the doctor in the oice of medicaments he will not only performing truly professional services t, by reducing the drug bill, will place negotiators in a better position to inease the dispensing fee, which is not oject to changes in the drug market.

Apart from statements concerning the play and advertising of dispensing seres, the Society has made little or no commendation concerning the conduct of ner departments of a business. If too ch emphasis is placed on restricting tiative in gaining prescriptions, some armacies will emphasise the other detments of the business. They will still called pharmacies and, for that reason no other, the public will take them into sideration when assessing the worth of harmacist to the community. One cannot isolate one section of the business for discipline in ethical matters.

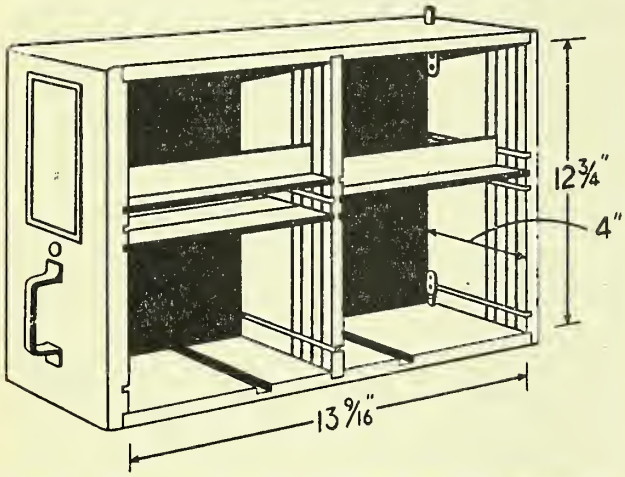
Pharmacists have much in common with opticians and to a lesser extent with dental practitioners in that they provide both goods and services. Except in rural areas, medical practitioners, like nurses and physiotherapists, are concerned solely with professional services. Pharmacy is complicated by the existence of corporate bodies practising as pharmacists, and by its association with advertised proprietary medicines and the employment of unqualified labour. All other professions have made their greatest advances when they have excluded the unqualified person. One has only to look at dentistry, nursing, and probably veterinary practitioners to realise that fact. The public cannot be blamed for judging pharmacy on the help, advice and reception which they receive from the sales assistant behind the counter. Too often these people are unqualified, and there is a strong case for a new qualification for sales assistants on drug counters to work under the supervision of pharmacists. There should be a once-and-for-all-time admission of persons who have worked as unqualified assistants for a specified number of years. There should also be a restriction on the number of these assistants employed under any one pharmacist. The sale of toilet requisites and sundries other than surgical goods should be physically apart from the drug section of a pharmacy.

Society's Attitude

This article has endeavoured to show that, in considering the question of ethical behaviour, the Society cannot concern itself solely with retail aspects and dispensing. It must consider the relationship of manufacturing pharmaceutical firms, with their retail and hospital counterparts, the medical profession and the public. If any attempt is made to deal with the matter piecemeal it may accentuate the other problems and leave the pharmacist to suffer. A pharmacist cannot be a professional man one moment, when he is dispensing a customer's prescription, and at the next, a business man selling cotton-wool. To the public he is a pharmacist at all times and in their eyes he is probably neither a professional nor a business man. He is a pharmacist, and it is up to all pharmacists to see that the public continue to regard him as a man of integrity. That can only be accomplished by high ethical standards in all his relationships with the medical profession and the public.

"UNIT" STORAGE FOR DISPENSARY STOCKS

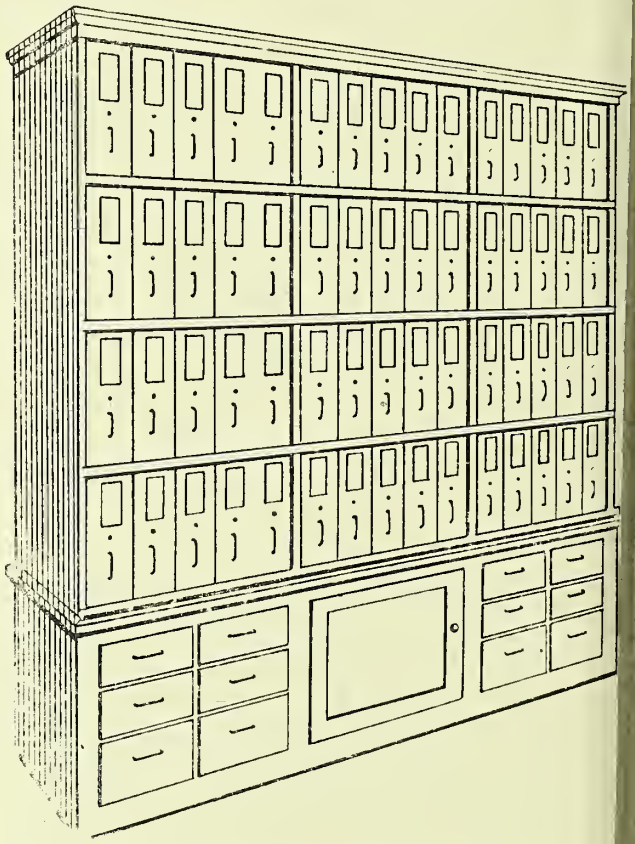
A SPACE-SAVING method of storing dispensary stock, using specially constructed cabinets known as Schwartz units, has for some time been popular in North America.



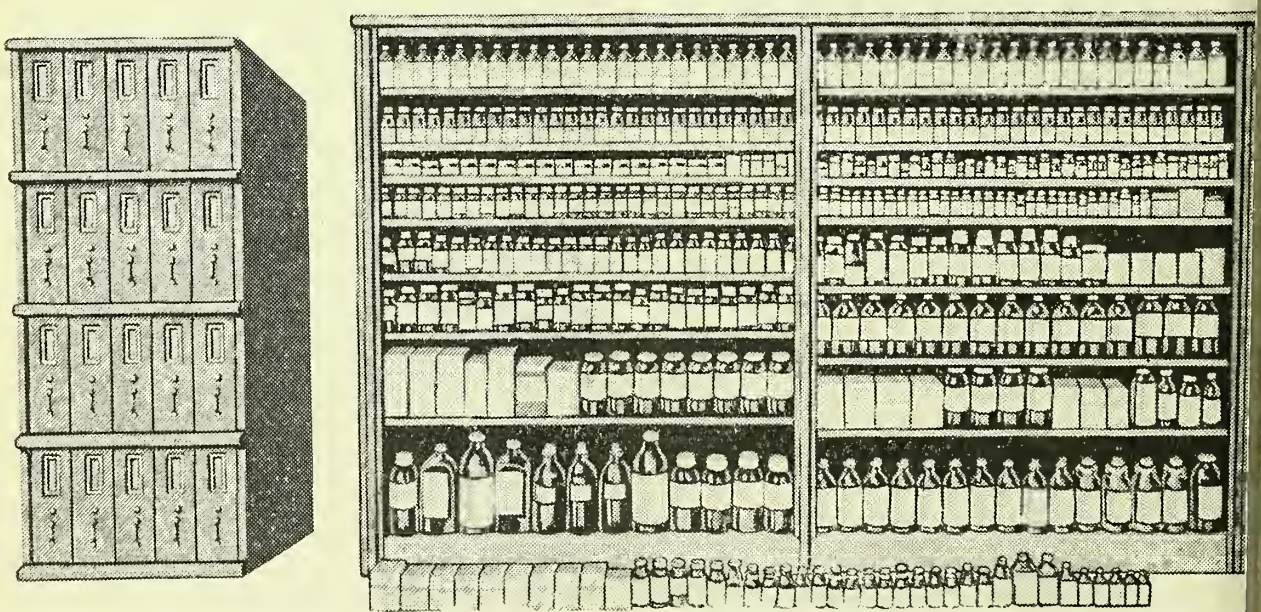
Above: How the shelf divisions are arranged in the unit drawer.

Right: Three twenty-drawer Schwartz sections joined together and mounted above a dispensary fitting.

The makers (Jones Industries, Ltd., Dundas, Ontario, Canada) claim that the method saves 6 ft. out of every 8 ft. of ordinary shelf space, with the additional advantage of providing dust-proof and light-proof accommodation for the drugs. Drawers $12\frac{3}{4}$ in. high, $13\frac{9}{16}$ in. deep and 4 in. wide are arranged in standard cabinets. They are supplied subdivided if desired in a number of standard ways to accommodate bottles of various sizes. Each standard cabinet section contains twenty drawers in four tiers. The sections stand 5 ft. high and are made to fit on to the tops of dispensing counters, or on to walls, or are supplied complete with



dispensing counter. Sections may b joined together and fitted above a drawe or cupboard base (see illustration), an each unit-drawer may be indexed fo



The "unit" cabinet, left, held all of the containers shown in the open shelving; right, plus the fo containers shown on the floor.

quick location of any drug. The compactness of the sections enables a large range of stock to be stored, to use the maker's words, "within arm's reach of a dispenser." In a test comparing the holding capacity of one Schwartz section with an 8 ft. section of open shelving (containing eight shelves), it was found that 405 average pharmaceutical containers, ranging in size from $1\frac{1}{2}$ fl. dr. to 48 fl. oz. could be accommodated in the unit; in the shelving, however, forty of the smaller containers used in the test (see illustration, p. 54) were left over.

MEDICAL ABSTRACTS

ACTH and Cortisone in Blood Disorders.—A panel on the hæmatological applications of ACTH and cortisone appointed by the Medical Research Council has issued its preliminary report ("British Medical Journal," 1952.1.1261-63). The drugs were used on eighty-eight patients with diseases of the blood, and while they appeared to produce remissions in some cases of acquired hæmolytic anæmia and thrombocytopenic purpura the results were uncertain. No effects were produced in aplastic and refractory anæmias.

Methantheline in Gastric Complaints.—Observations by McHardy and colleagues in New Orleans, U.S.A. ("Journal of the American Medical Association," 1951.**147.** 620-26) show that methantheline is clinically superior to atropine as an antispadmodic in gastrointestinal disorders. They confirm that it is an effective anticholinergic, and a valuable adjunct to the management of many gastrointestinal disturbances characterised by hypersecretion and hypermotility. The compound is known under the brand name Banthine.

Limitations of Decamethonium Iodide.—Guerrier and Mason ("British Medical Journal," 1952.1.1329-31) found in large-scale tests that subjects of the same build and similar muscular development varied in their response to an initial dose of 3 mgm. of decamethonium iodide (C.10). Some showed no obvious alteration in respiratory excursions, and inadequate relaxation. Others exhibited varying degrees of intercostal paralysis which lasted from five to fifteen minutes. The return of muscle tone was rapid and unpredictable —a "source of embarrassment" to the surgeon and anæsthetist. One case of cumulative effect and four cases showing cardiovascular abnormalities were encountered.

A Liver Growth Factor?—Following dietary experiments on rats in which it had been noticed that rats fed on specially prepared liver powder showed greater growth than others, Yudkin (professor of physiology, Kings College of Household and Social Science, University of London) ("British Medical Journal," 1952, 1, 1388-89), extended the trials to children aged two years. After thirteen weeks thirty-two children taking a supplement of 0.2 gm. of specially prepared beef liver in chocolate base gained on an average about $\frac{1}{4}$ in. more in height and 10 oz. more in weight, than twenty-eight control children who had chocolate without the liver preparation. These gains are roughly 20 and 40 per cent. more than in the control children. The author thinks that the factor responsible for growth is different from vitamin B_{12} and from the reproductive factor R, and suggests that liver contains what appears to be a new nutritional factor.

Anodyne for Rheumatoid Arthritis.—Currie ("Lancet," 1952. **263.** 15-16) reports that butazolidine (1:2-diphenyl-3:5-dioxo-4-*n*-butylpyrazolidine) has been found effective in alleviating the symptoms of rheumatoid arthritis. It had been found that when an injection preparation of amidopyrine was given to rheumatoid arthritis sufferers the relief was greater than that attributable to the amidopyrine. It was decided to test the solvent (butazolidine) of the preparation on eighty-one patients. For the first ten days of trial forty-one patients were given 1 gm. of butazolidine intramuscularly as a 20 per cent. solution and forty were given sterile normal saline. For the following ten days the groups were interchanged. A marked alleviation in symptons was noticed by all of the patients when they received butazolidine. Of the eighty-one patients seventy-seven said that, after treatment, their pain was reduced and that their joints moved more easily. Only twenty-four showed improvements that could be measured (reduced size of joints, lower erythrocyte sedimentation rate and stronger grip). Of those twenty-four patients eleven relapsed within three weeks and nine within twenty weeks. The author considers that the drug was not merely an analgesic. Butazolidine compared unfavourably with aspirin in relieving pain from other causes.

OVERSEAS PHARMACY LAW

6—Scandinavia

In Norway, Sweden and Denmark pharmaceutical control is very strict and is laid down by legislation. Pharmacy has reached a high state of professionalism by definite Government legislation. Pharmaceutical specialities are registered and strict Government control is maintained over all products sold in pharmacies. In Norway and Sweden price control by law exists as well. Pharmacists and pharmacies are licensed by the State, and the number and location of pharmacies is regulated by law. Company pharmacy is not permitted by law.

Danish Medicines Act

An idea of the legislation common in Scandinavia can be obtained from a brief survey of two Acts of legislation that have been promulgated in Denmark. They are the 1931 Act concerning poisons and other dangerous substances and the 1932 Act on the sale of medicines. The Medicines Act lists a comprehensive schedule of medicines and drugs, the sale and distribution of which are restricted almost entirely to licensed chemists. Hospitals, nursing homes, sanatoria, mental homes and similar establishments run by the Government or local authorities may operate a hospital dispensary in the charge of a graduate pharmacist, and they are permitted to buy medical goods on the same conditions as licensed chemists. All other hospitals, public or private nursing homes and physicians' clinics must buy medical products from a licensed chemist except for serum, which they buy from the Danish Government. They are only entitled to weigh off, dissolve, dilute or distribute medicines under the supervision of the physician in charge. No other pharmaceutical operation must be undertaken in those establishments.

Medical practitioners in areas where there is no licensed chemist may deliver medicines and dressings to their patients although these should be obtained "in measured, sealed and tariffed portions" from a licensed chemist nominated by the Minister of the Interior. Dispensing by doctors is only permitted in areas where it is difficult to communicate with a licensed chemist and the Minister of the Interior must grant specific permission to each doctor concerned. Under the Medicines Act, licensed chemists in Denmark may establish within their own districts and at places where no licensed chemist's shop exists, local depôts for the sale of packed goods and medicines and drugs which may be sold safely without a physician's prescription.

The same law sets out the authority of the Danish Pharmacopœia, provides for the constitution of its controlling board, and forbids any manufacturer to specialise or brand any preparation contained in the Pharmacopœia.

The Medicines Act also lays down that each pharmacy must keep adequate stocks of all pharmacopœial substances. Exemptions are only allowed on permission from the Danish Board of Health. All medicines dispensed in the pharmacies are subject to price control, no pharmacist being allowed to depart from the tariff. Inspection of pharmacies is part of the lega system and inspectors visit every dispensary whether private or belonging to a publi hospital.

Poisons Act

Under the Poisons Act control is stric and the responsibility of the pharmacist i emphasised. The law covers the sale of, th manufacture and import of poisons. Eve agricultural workers, gardeners or foreste who wish to obtain and use poisons mus satisfy provisions in the Act.

Merchants, general retailers, co-operativ societies and horticultural organisatio are allowed to sell agricultural and hort cultural poisons in original packages. N breaking of bulk is permitted. The lab must bear the name of the poison (i Danish if a Danish designation exists), th name and address of the seller and th word "Poison" (in Danish) in whi characters on a black ground. Eac package must be provided with directio for use printed in Danish. Poisons must k kept by dealers in a locked cupboard.

Regarding medical poisons contained Schedule I of the Act (i.e. the more tox poisons), the law states that all weighi and packing must take place in a lock compartment. It is doubtful whether th is always carried out. No poisons or su stances containing poisons may be deliver to a person under the age of 18. Whenev poisons are sold or supplied on prescriptio an official register must be kept stati the name and address of purchaser, na of person to whom delivered if differe

ame and quantity of poison purchased, nd the date.

The poisons law even contains regula- ons for the labelling of poisonous paints, ne label of which must contain the word poisonous" (in Danish) in white lettering n a black ground. Special regulations are ncluded for dealing with cyanides and rsenic compounds for pest control and fu- igating dwellings and workshops.

Section II of the Act enumerates many ubstances which, though not poisons, are onsidered dangerous such as methylated pirits, certain commercial acids, solution f formaldehyde, acetic acid, etc. It speci- cally states that liquid preparations must ot be delivered in milk, mineral or wine ottles.

In Finland pharmaceutical control is far less strict than in Norway, Denmark and Sweden. There is no registration of speci- ality products. The international conven- tion for the control of "dangerous drugs" is applied in Scandinavia (including Fin- land).

In return for higher professional status and more protected dealings with the pub- lic, the Scandinavian pharmacist must by law accept a greater responsibility than, for example, his British counterpart. As in many other European countries, he is re- sponsible for everything that is sold or delivered from his pharmacy, and he can- not invoke the aid of the manufacturer or an equivalent, of the "warranty defence" of the British Food and Drugs Act.

PHARMACEUTICALS IN PAKISTAN

HE industrialisation of Pakistan is neces- rily slow and painful. Nevertheless, it is aimed that steady progress is being made that direction in the Government's six- ar development plan. The development the pharmaceutical industry is a "night- are" to the Government, for few Pakis- nis with the right qualifications are cap- le of holding executive posts. The industry one in which, according to a Food and griculture Organisation expert who toured akistan recently, there is great scope for velopment. The country's climate is ited to the cultivation of many medicinal ants, and Pakistan could become self- fficient in botanical drugs if the people uld be taught how to collect and store e plants.

ocation of Factories

Santonin is produced in a factory near awalpindi (see *C. & D.*, 1950.II.425), d at Quetta a factory is producing hedrine from *Ephedra* which grows well the area. Factories manufacturing sul- uric acid are at Karachi, Lyallpur and awalpindi. The production of industrial cohol has recently been substantially in- eased with the opening of the new fac- y at Takhtbai, in the North-west Frontier ovince. The factory has an output of oo gall. a day. In the near future a fac- y for the manufacture of DDT is being erated; it will have an estimated capa- y of 700 tons annually. Final plans have en drafted for a penicillin factory situ- d in the North-west Frontier Province.

At a meeting of an industrial advisory committee for chemicals, on December 1, 1951, it was decided that two subcom- mittees should be formed: one to look into the progress made in the manufacture of drugs and pharmaceuticals and subse- quently to suggest ways and means of helping the industry to overcome the handicaps of high-priced imported raw materials and containers; the other to make specific recommendations regarding the development of those industries requir- ing certain basic chemicals, the raw materials for which are available in Pakis- tan. The advisory committee disclosed that two foreign experts would arrive during the month to advise the Government on the cultivation and development of medicinal plants. Earlier in the year the Govern- ment announced that the pharmaceutical industry had applied for protection. Where drugs are available in the country imports are already prohibited, and the import duty on proprietaries is so high as to afford an automatic protection. At the same time the country is trying to export indigenous drugs at rates which are non- competitive with world prices. A company has recently started the construction of a factory at Karachi which will eventually provide sufficient tooth-paste and other toilet articles for the country's consump- tion. The factory is expected to cost about Rs 6 lakhs (1 lakh=100,000) and to go into production by August. The company is to provide for the training abroad of selected Pakistani technicians.

APRIL-TO-JUNE SHARE MOVEMENT

By a Financial Correspondent

BUSINESS in drug-trade company shares during the second quarter of 1952 was again on a small scale. It differed from the first quarter in that the general price reaction was not repeated. The section, therefore, made a good showing as movements in other industrial departments were nearly all against holde the falls being of sufficient extent to e tablish new low levels in numerous i stances. The unsettled tone of the Gover ment security section coupled with vario domestic and foreign uncertainties we mentioned as being mostly responsible.

Name of Company £1 units unless otherwise stated	1952 High	1952 Low	Latest
	s. d.	s. d.	s. d.
Albright & Wilson, 5s.	18 3	14 0	14 0
Allen & Hanburys, ord.	65 4½	52 0	56 3
Do. 7% prefd. ord.	24 4½	22 3	23 3
Amber Chemical Industries, 2s.... ...	2 6	2 0	2 0
Aspro, 5s.	22 0	16 9	17 0
Barclay & Sons ...	37 0	32 6	37 0
Beechams Group, 2s. 6d. defd.	15 0	10 0	11 0
Beecham Maclean Holdings 4% red. cum. pref.	16 3	13 0	15 0
Boots Pure Drug, 5s.	22 10½	16 10½	19 3
Boots (Eastern), 6% cum. A prefd. ...	23 0	21 0	22 0
Boots (Western), 7% A prefd. ord. ...	27 0	24 3	25 0
Borax Consolidated defd.	35 6	31 9	33 0
British Drug Houses, 5s.	9 9	7 3	8 0
Bush, W. J. & Co. ...	61 3	51 3	51 3
Dubarry Perfumery, 1s.	1 9	9	1 0
Dufay, 2s.	11	4	6
Evans Medical Supplies, 5s.	7 7½	5 6	6 3
Glaxo Laboratories, 10s.	79 0	65 6	65 6
Glaxo Laboratories, 10s. 8% cum. prefd. ord.	15 4½	13 9	14 4½
Greef-Chemical Holdings, 5s.	18 0	13 6	13 6
Howards & Sons, 5½% cum. pref.	19 3	18 3	19 3
Ilford, 5s.	14 9	11 1½	11 9
Monsanto Chemicals, 5s.	28 9	21 6	22 6
Reckitt & Sons ...	94 0	73 9	74 6
Savory & Moore, 5½% red. cum. pref. ...	18 9	14 4½	16 3
Smith & Nephew & Associated Cos., 4s. ...	20 9	16 9	17 6
Solidol Chemicals, 2s.	2	1	1
Southalls (Birmingham), 5s.	33 9	23 0	23 9
Taylors (Cash Chemists) London, 6% cum. pref.	21 3	17 10½	20 9
Taylors (Cash Chemists) Trust, 6% cum. pref.	21 3	18 6	19 0
Vitamins, 1s.	2 4½	1 9	2 1½
Whites, Timothy & Taylors, 5s. ...	29 9	23 6	24 0
Do. 7½% cum. pref.	26 6	24 0	25 9
Wright Layman & Umney	21 3	21 3	21 3
Yardley & Co., 4s. ...	20 6	18 3	20 0
Yardley & Co., 4s. A	20 6	17 6	20 0
Yardley & Co., 4½% 2nd pref.	17 1½	15 0	15 6

High Priced Shares

Amongst highest-priced shares, abo the weakest feature was provided Reckitt & Sons £1 ordinary which clos 6s. 6d. down at 74s. 6d., after havi been transferred down to the new lo level of 73s. 9d., with deals complete practically every business day and fai sized orders normally practicable outrigh The parent company is capitalised at t appreciable total of £5,057,000 in o class of ordinary and two of preferen capital.

Elsewhere, regular business was done Boots Pure Drug 5s. ordinary whi closed unaltered at 19s. 3d. and in Mo santo Chemicals 5s. ordinary which fi ished almost without quotable change 22s. 6d., but after changing hands up 26s. 4½d. in the meantime. City discu sion recently centred round this company lately reported record trading profit, poin stressed being the further developme programme of the Australian subsidiar the possibility of the setting up of a man facturing plant in India and the streng of the export connections. The profits ro by 56 per cent. for 1951 and represent 33 per cent. of the total turnover.

Trading most days was also done Beechams Group 2s. 6d. deferred whi closed ninepence down at 11s. after bei dealt in down to the new low level 10s. Intermittent business was complet for Borax Consolidated £1 deferred whi were valued about ninepence off at 33s.

The British Drug Houses 5s. ordina were priced sixpence higher at 8s. He also, a record sales total of more th £5,500,000 in 1951 was lately reporte with export sales for that year about per cent. more and almost 43 per ce of the total business done.

Amongst low-priced shares, Amb Chemical Industries 2s. ordinary w valued unaltered, at 2s., and were no worthy in that only buying orders w practicable outright in the absence of m ket support. This company lately report

net profit for 1951 of £13,455 against loss of £27,400 for 1950 and profits of 8,600 and £23,000 for 1949 and 1948 espectively. No dividend was paid for 951 or 1950, against 10 per cent. and 5 per cent. for 1949 and 1948 respecvely. The chairman's statement included ne information that the production of fine nemicals had ceased, but the industrial nemical and merchanting divisions had own excellent results.

The preference share section was noteorthy in that final prices were mostly ne same or better. They consequently ade a good showing as most shares of is type in other industrial departments corded further falls. A feature was proded by Beechams McLean Holdings 4 er cent. redeemable cumulatives which ere priced 1s. 7½d. better at 15s. thus extinguishing the loss experienced during the first quarter. Elsewhere, Boots (Eastern) 6 per cent. cumulative A preferred were valued 1s. better at 22s., and the Western 7 per cent. A unaltered at 25s. Timothy Whites & Taylors 7½ per cent. finished 1s. better at 25s. 9d., whilst Savory and Moore 5½ per cent. closed 1s. 6d. higher at 16s. 3d.

One of the lowest-priced shares in the entire Stock Exchange was provided by Solidol Chemical 2s. ordinary which were valued unaltered at one penny. Last autumn, The Tokenhouse Securities Corporation made an offer of twopence-halfpenny per share for the 1,796,824 shares in issue. The requisite number of acceptances, however, were not received by the closing date, so the acquisition was not accomplished.

CORRESPONDENCE

Two-thirds of the Levy

SIR,—One of our customers recently ould not muster a shilling. He thought erhaps he could have eight-pennyworth the medicine then and the rest later.

Cheltenham. W. TALVAN REES.

Mechanical Bed-pan

SIR,—I observe with great interest your ote on the great American mechanical ed-pan (*C. & D.*, July 5, p. 23). Is it ot most appropriate that this note should ach your readers on Independence Day? assume that in accordance with modern ought the apparatus is electrically perated and remote controlled. This ould give rise in time to a new grade the Hospital Service—the bed-pan conol-room operator, who will sit before a ank of coloured lights and switches. What change from the humble "operator, ans, bed," of the R.A.M.C. There is od for thought here.

Tenterden, Kent. C. H. SHERRIFF.

Benevolent Suggestion

SIR,—In going through my papers cently, I came across two Camwal share rtificates, and it occurred to me that any other pharmacists probably have a milar holding. The shares are not readily leable in ones or twos, but if a number them were to be transferred to the harmaceutical Society for the benefit of ne Benevolent Fund, they would constiute, in the aggregate, a very useful addion to the Society's present holding of ese shares. I have passed my shares over to the Fund, and I venture to suggest that fellow-members who own one or two of these shares should consider sending them to the Society, with an appropriate form of transfer in favour of the Benevolent Fund. It is clear from a letter which I have received from the Society that the gift would be appreciated.

Ringwood. HAROLD E. MATTHEWS.

Grants to Young Conference Members

SIR,—In the *C. & D.*, April 5, p. 479, an announcement was made that the Council of the Pharmaceutical Society had again placed at the disposal of the British Pharmaceutical Conference Executive £500 to be used to further the work of the Conference during 1952. The Executive decided to use this money to encourage the attendance at the meeting of the Conference to be held in Nottingham from September 1 to 5 of young pharmacists and research workers who might otherwise be unable to attend. The conditions with which applicants must comply were set out in full. One of these conditions was that applications must be received not later than June 30. At a meeting of the Executive held on July 2 it was decided that this time limit should be extended to July 31. Applications should be sent to the General Secretaries, British Pharmaceutical Conference, at the address below.

H. TREVES BROWN,
H. G. ROLFE,
17 Bloomsbury Square,
London, W.C.1.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, JULY 9

THE most important feature of the week was a reduction in the price of MERCURY of £8 per flask. This followed lower quotations from Spain where to attract United States buyers the Spanish exporters are now offering the metal at $165 per flask, f.o.b. The new price to sterling areas is based on the free exchange rate for sterling (about $2.60 per £1) and not as hitherto on the official rate ($2.78). Meanwhile Italian exporters are holding out for former prices in the hope that once current offerings by Spain are taken up the buying countries may be forced to accept their level. Nevertheless a firm order for an attractive quantity would no doubt be met against a dollar payment though with the sterling countries Italy is said to be less anxious to do business at the Spanish levels.

All LITHIUM salts are in tight supply due to an increased demand for certain salts by the re-armament industries. Some sources are quoting CHLORAL HYDRATE at substantially lower prices whilst others have made no change in their lists. The reduction in mercury has brought lower prices for various MERCURY SALTS; details are given on p. 61.

There has been a perceptible increase in inquiry for several CRUDE DRUGS as new-crop prices are received. A fair business has been done in wet-crop SENNA and several shipment prices are consequently firmer. CARDAMOMS are firm and the spot SHELLAC market closed the week fully 10s. per cwt. firmer. Whilst most WAXES remained unchanged at previous levels, both the prime yellow and fatty grey varieties of CARNAUBA were dearer on the spot. Buyers appear to be still disinterested in new-crop ERGOT. The Mexican VANILLA crop in 1951-52 yielded 140,000 kilos, well above the 1950-51 output of 116,000 but under the 153,852 kilos produced in the preceding year. However, the Banco de Comercio Exterior believes that the rapid fall in the New York price of the pods may result in an economic crisis in the growing regions of Mexico and could put an end to vanilla cultivation.

Several ESSENTIAL OILS were quoted lower during the week. They included West Indian LIME, ORANGE, East-Indian PALMAROSA, PETITGRAIN and Mysore SANDALWOOD.

U.S. Drug and Chemical Report

NEW YORK, JULY 8

WHILE business in the American chemicals market continues poorer than suppliers would like, important price changes have been lacking. ACETONE, however, was in fair demand with a pick-up noted in textile industry demand. MENTHOL remains in the doldrums with no improvement likely until autumn. Mixed price trends prevailed among BOTANICAL DRUGS, SPICES and GUMS. Higher per lb. were thin grade wild CHERRY BARK at 21 to 22 cents, up from a former 19-21 cents range and GRINDELIA at 35 to 36 cents (from 26-28 cent. basis). Lower per lb. were PIMENTO BERRIES at $4.50 (down 25 cents) and SENEGA at $1.40 (10 cents). Among ESSENTIAL OILS Bulgarian ROSE, at $56.00 to $60.00, was up from a former range of $40.25-$52.50. Those lower per lb. included SPEARMINT at $8.00 (down 25 cents); CARDAMOM, $48.00 ($3); PEPPERMINT, $7.45 (15 cents); BERGAMOT, $14.75 (25 cents); PIMENTO BERRY, $4.75 (5 cents); PIMENTO LEAF $2.50 (10 cents); and BOIS DE ROSE $4.14 (5 cents).

Methylated Spirit

METHYLATORS' rates per gall. in Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 *o.p.*; 500 gall. and over, in one delivery 7s. 6d.; 100 gall. and under 500 gall. 7s. 8d.; 30 gall. and under 100 gall. 7s. 10d.; 10 gall. and under 30 gall., 8s. 5 gall. and under 10 gall., 8s. 3d. Strength 64 *o.p.*, 1d. per gall.; 66 *o.p.* (B.P.), 2d. 68 *o.p.*, 3d.; and 74 *op.*, 7½d. more than the above rates. Tank wagon delivery One halfpenny per gall. off list price:—minimum 500 gall. For industrial methylated spirit of standard toilet quality prices are 3½d. per gall. above foregoing prices.

Pyridinised industrial methylated spirit Strength 61 *o.p.*, 500 gall. and over, in one delivery, 7s. 8½d.; 100 gall. and under 500 gall., 7s. 10½d.; 30 gall. and under 100 gall., 8s. 0½d.; 10 gall. and under 30 gall., 8s. 2½d.; 5 gall. and under 10 gall. 8s. 5½d. Strength 64 *o.p.*, 1d. per gall. more than foregoing rates.

Mineralised methylated spirit: Strength 61 *o.p.*, in one delivery, 100 gall. and under 500 gall., 7s. 10½d.; 30 gall. and under 100 gall., 8s. 0½d.; 10 gall. and under 30 gall., 8s. 2½d.; 5 gall. and under 10 gall. 8s. 5½d. Strength 64 *o.p.*, 1d. per gall. more than foregoing rates.

Methylated resin finish is 3d. per gall. over, and *methylated shellac finish*, 1s. per gall. over the prices for pyridinised methylated spirit.

TERMS: Delivered free and carriage paid on returned empties; cash one month less 2½ per cent.; packages charged credited in full on return.

Alcohol

RICES (exclusive of duty) of ethyl alcol per proof gall. are as follows :—
Plain British Spirit (95 per cent. Gay ussac, 66 *o.p.*); where the number of roof gall. taken over any one year ended ecember 31 is 300,000 or over the price 4s. 5½d.; 200,000 and less than 300,000, . 6d.; 100,000 and less than 200,000, s. 6½d.; 50,000 and less than 100,000, s. 7d.; 10,000 and less than 50,000, s. 7½d.; 2,500 and less than 10,000, s. 8½d.
Absolute Alcohol, 99.5 per cent., 74.5 *p.*, is one penny more per proof gall. an Plain British Spirit; the special high rength (99.9 per cent., 75.2 *o.p.*) is reepence more. *Doubly-rectified Alcohol S.V.R.*). 95.8 per cent., 68 *o.p.* is twoence more per proof gall. and *P.I. Rectied Alcohol*, 96.1 per cent., 68.5 *o.p.* xpence more than Plain British Spirit. *.R. Absolute Alcohol* (re-rectified, 99.7 er cent., 75 *o.p.*), 14s. per bulk gall. net.

Pharmaceutical Chemicals

ADRENALINE.—B.P. is from 1s. 2d. to s. 7d. per gm., as to quantity.

ALUMINIUM HYDROXIDE. — The B.P.C. ried gel is from 6s. 9d. to 7s. 9d. per lb., s to quantity.

AMMONIUM BENZOATE.—For 28-lb. lots nd upwards the price is 5s. 6d. per lb.

AMIDOPYRIN.—In 1-cwt. lots the price from 32s. 6d. to 35s. per lb.

BRUCINE.—ALKALOID is from 1s. 8d. to s. 9½d. per oz., and NITRATE and SULHATE from 1s. 7d. to 1s. 8½d. per oz., as quantity.

CALCIUM CARBONATE. — B.P. is £28 per on, delivered U.K.

CALCIUM GLUCONATE. — Quantities of 3 wt. and upwards are quoted at 4s. per .; 1 cwt. to 2 cwt., 4s. 1d.; smaller uantities, up to 4s. 4d. per lb.

CARBON TETRACHLORIDE.—In 1-2 carboy ts, B.P. grade is £120 per ton. TECHNIAL, in 40-gall. drums, in less than 1-ton ts, is £76 per ton; 1 ton and under 2 ns, £74 10s.; 2 tons and under 4 tons, 74; 4 tons and upwards, £73.

CHLOROCRESOL.—Pharmaceutical quality quoted at 6s. per lb., in 1-cwt. drums.

CINCHOPHEN.—1-cwt. lots are quoted at 4s. 9d. per lb., with smaller quantities up 27s. 9d. per lb.

COCAINE. — Rates per oz. are as folws : ALKALOID and SALICYLATE, bottles -oz., 27s. each; ½-oz., 53s. each; 1-oz., 04s.; 4-oz., 103s.; 8-oz., 102s.; 16-oz., 01s.; tins, 25-oz., 100s. HYDROCHLORIDE nd NITRATE, bottles, ¼-oz., 24s. 6d. each; oz., 48s. each; 1-oz., 94s.; 4-oz., 93s. 3d.; oz., 92s. 3d.; 16-oz., 91s. 6d.; tins, 25-oz., 0s. 6d.

CREAM OF TARTAR.—Rates for the home trade are as follows :—1-ton lots, 231s. per cwt.; 10-cwt., 232s.; 5-9-cwt., 233s.; 2-4-cwt., 234s.; 1-cwt., 235s., delivered.

CHLORAL HYDRATE.—In 1-cwt. lots the price is from 4s. 1d. per lb. as to holder.

CITRATES.—Rates (per lb.) are as follows :—POTASSIUM, 1-cwt. lots, 4s. 1½d.; 28-lb., 5s. 1d. SODIUM, 1-cwt., 3s. 6½d.; 28-lb., 4s. 5d. (powder of both salts one penny more). CALCIUM, 1-cwt., 4s. per lb. IRON and AMMONIUM, granulated, 1-cwt., 4s. 5½d.; 28-lb., 5s. 7d. (Scales are threepence per lb. more).

FORMALDEHYDE. — B.P. solution is 34s. per cwt.

ETHER. — Prices of TECHNICAL, B.S.S., and SOLVENT, B.P., in winchesters are (per lb.) as follows :—10-cwt. lots, 2s. 5½d.; 5-cwt., 2s. 6½d.; 48-lb., 2s. 7½d.; 24-lb., 2s. 9d. Rates for ANÆSTHETIC, B.P., in winchesters are :—10-cwt. lots, 3s. 9½d.; 5-cwt., 3s. 10½d.; 1-cwt., 3s. 11½d.; 72-lb., 4s. 0½d.; 36-lb., 4s. 2½d.; 24-lb., 4s. 4½d. In 1-lb. bottles, prices are 2½d.; in ½-lb. bottles, 7½d.; and in ¼-lb. bottles, 1s. 4½d. per lb. more than the above prices. In drums, prices are 1½d. per lb. less than corresponding winchester prices. Containers are charged and are returnable.

MAGNESIUM SULPHATE.—B.P. crystals in minimum 1-ton lots are £17 10s. per ton; packed in paper-lined bags.

MERCURY DERIVATIVES.—Lower. Quotations (per lb.) for 1-cwt. lots are: AMMONIATED, B.P., lump or powder, 20s. 3d.; PERCHLORIDE, B.P., powder, 18s. 5d.; SUBCHLORIDE, B.P., (calomel), 20s. 9d.; OXIDES, B.P.C. levigated, or yellow B.P., 21s. 3d.

PHENYTOIN SODIUM. — Quotations for small quantities are at about 32s. 6d. per lb.; the base is available at the same price.

PYROGALLIC ACID.—Pure CRYSTALS are 18s. per lb. in 1-cwt. lots.

SODIUM SULPHATE. — Maker's prices are from £10 10s. to £15 10s. per ton as to quantity for B.P. crystals.

SODIUM THIOSULPHATE. — Maker's price for 1-ton lots in paper-lined bags is £33 2s. 6d. per ton; 1-cwt. is £2 1s. 2d.

SULPHAGUANIDINE.—5-cwt. lots are 21s. per lb. and 1-cwt., 21s. 3d.

SULPHANILAMIDE. — Rates per lb. are: 5-cwt. lots, 9s. 6d.; 1-cwt., 9s. 8d.; 56-lb., 9s. 11d.; 28-lb., 10s. 0½d.

TANNIC ACID. — Home-trade rate for Levis, B.P. (ex ether) in 1-cwt. lots is 7s. per lb.

TARTARIC ACID. — Rates for the home trade are as follows :—10-cwt. lots, 260s. per cwt.; 5-9-cwt., 262s.; 2-4-cwt., 264s.; 1-cwt., 265s.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. 3½d. to 5s. 2d. per lb.

Crude Drugs

ACONITE.—Spanish *napellus* is 3s. 9d. per lb., duty paid, ex wharf.

AGAR.—Firm. Kobé No. 1 on the spot is 14s. 9d. per lb.

ALOES.—Prime Cape is about 178s. per cwt., c.i.f.; spot is 185s. Curaçao is 360s. per cwt., on the spot.

ASAFŒTIDA.—Persian block is £18 per cwt., duty paid.

BALSAMS. — *Canada:* Spot is 29s. per lb.; forward, 28s. per lb., c.i.f., prompt shipment. *Copaiba:* Para, soluble is offered on the spot at 17s. 6d. per lb. *Peru* is 14s. per lb., duty paid, and 12s. 9d. c.i.f. *Tolu* on the spot is 32s. 6d. per lb., and for shipment, 31s., c.i.f., for the genuine as imported.

BENZOIN.—No. 1 Sumatra block on the spot is quoted at from £27 10s. per cwt. and for shipment, £26 (or a shade under), c.i.f. No. 3 is £23 per cwt., spot. Siam almonds are from 27s. 6d. to 37s. 6d. per lb., spot, as to size.

BISMUTH. — In minimum 5-cwt. lots, METAL is 21s. per lb.

BUCHU.—New-crop rounds are offered at 2s. 2d. per lb., on the spot.

CARDAMOMS. — Aleppy greens for shipment are 16s. per lb., c.i.f., and spot, 17s. 6d.

CINNAMON. — Ceylon for shipment (c.i.f.): OOOO, 2s. 4¾d.; OOO, 2s. 3¾d.; OO, 2s. 2¾d.; O, 2s. 1¾d.; firsts, 1s. 8½d.; seconds, 1s. 8d.; thirds, 1s. 6½d.; quillings, 1s. 4d.; featherings, 11¾d.; chips, 5¼d. per lb.

CLOVES.—Firm. Quotations for Zanzibar are nominal at 9s. per lb. for both spot and forward (c.i.f.).

COCHINEAL.—Black is from 7s. 3d. to 7s. 9d. per lb., as to quality, and silver grey, 6s. 3d. to 7s., spot.

COLCHICUM.—Quiet. Corms on spot are offering at from 2s. 3d. to 3s. 6d. per lb.; seeds: forward offers at 6s. per lb., duty paid.

KARAYA. — No. 1 gum on the spot is about 230s. per cwt.; No. 2, 165s. No. 1 for shipment is 185s., c.i.f.

KOLA NUTS.—African halves are available on the spot at 5d. per lb.; 3¾d., c.i.f., prompt shipment.

HENNA.—Indian green leaves are about 77s. 6d. per cwt., on the spot. June shipment of Sudanese, 110s., c.i.f.

LIQUORICE. — Anatolian natural whole root on spot in London is quoted at 52s. 6d. per cwt.; Syrian, natural, is 42s. 6d. Turkish block juice quotations are from 180s. upwards, according to holder, duty paid. Turkish stick is 240s. per cwt., duty paid; Italian stick, 475s. per cwt., duty paid.

MENTHOL.—Chinese is 56s. per lb., du paid., and Brazilian, 45s., duty paid. Fo ward offers of Brazilian are about 4(per lb., c.i.f., prompt shipment.

MERCURY. — Lower. Spot quotations a from £65 to £65 10s. per flask, ex wa house.

PAPAIN.—Steady. East African, No. is 39s. per lb., c.i.f., and Ceylon sun-drie 32s. 6d., c.i.f.

RHUBARB.—Shensi is 11s. 6d. per lb Double Deer No. 1, 8s.; other grad of Chinese rough round at from 3s. 9d. 6s., all duty paid.

SANDARAC.—Morocco is offering on t spot at 18s. per lb.

SEEDS. — ANISE. — Turkish is 135s. p cwt., in bond and 150s., duty pai CARAWAY.—Dutch is unchanged at 87s. 6 per cwt., duty paid. CELERY.—Indian inclined to be easier with spot now quot at 1s. 8½d. per lb. CORIANDER.—No bus ness reported. Spot, Morocco offered 55s. per cwt., duty paid. New-crop f July-August shipment quoted at 40s., c.i. London. CUMIN.—Market continues qui Spot: Cyprus, 185s. per cwt.; India 180s.; Morocco, 200s., in bond. DILL.- Indian offered at 80s. per cwt., spot Lo don. FENNEL.—Spot, Indian is nominal 200s. per cwt. French sold at 180s., du paid. FENUGREEK. — Morocco, spot Lo don or Liverpool, quoted at 39s. per cw duty paid; no buyers. MUSTARD.—Englis from 80s. to 110s. per cwt., according quality.

SENEGA.—Spot supplies are 12s. 6d. p lb. July-August shipment offers a 10s. 6d. per lb., c.i.f., for new-crop.

SENNA. — Forward offers of *Tinnevel* new wet-crop LEAVES are as follows: Prime No. 1, 1s. 1d. per lb.; No. 2, 11d No. 3, 8¼d.; f.a.q., from 7¾d. to 11d.; c.i.f. PODS, hand-picked are from 1s. 4 to 1s. 10d. per lb., c.i.f., as to qualit and f.a.q., 9¾d., c.i.f. *Alexandria* b hand-picked pods are 6s. 6d. per lb., a medium, 4s. 6d.; manufacturing, 1s. 6 all on the spot. Leaves are 11d., a siftings, 10d. per lb., spot.

SHELLAC.—Firmer. Spot quotations ar F.O.T.N., pure, 205s.; F.O. Standard N 1, 225s.; fine orange, 240s. to 300s. p cwt., ex-London warehouse.

WAXES.—BEES'.—Dar-es-Salaam on t spot is 430s. per cwt.; shipment, Ju August, 380s., August-September, 37 c.i.f. nominal. Benguela on the spot 400s. per cwt., in bond; shipment, 39(c.i.f. CANDELILLA.—Spot supplies are fered at 645s. per cwt.; no shipment offe CARNAUBA.—Prime yellow, spot, 1,120s. p cwt. No offers for shipment. Fatty gr spot, 885s. per cwt. and 880s., c.i.f., shipment. MONTAN.—Reibeck crude on spot is 140s. per cwt. OURICURI.—S 0.5 per cent. impurities, 700s. per cwt

Essential and Expressed Oils

ALMOND. — English - distilled is from 6d. per lb.

AINSE. — Spot supplies are offered at 6d. per lb.

BIRCH TAR.—Rectified is from 10s. to . 6d. per lb., on the spot.

BOIS DE ROSE.—Brazilian on the spot 3s. 6d. per lb.

CADE.—Supplies of Spanish are from per lb., ex warehouse, London.

CASTOR OIL.—In minimum 2-ton lots the ce of B.P. quality for July-August de- ery is £206 per ton, naked, ex mill. For otember-December delivery the price is 01.

CLOVE.—English-distilled oil is 50s. per nominal, with imported oils from . 6d. Madagascar leaf on the spot is . per lb., duty paid, and 11s. 6d., c.i.f., shipment.

COD-LIVER.—Medicinal, B.P., is 11s. 6d. gall. in charged returnable drums to ailers. Veterinary is from 11s. 4d. per l.

CORIANDER. — Russian-seed oil is 175s. lb. Dutch-seed oil, 170s. per lb.

CUMIN.—Quotations for English-distilled are about 75s. per lb.

CUBEBS.—English-distilled is offered at m 50s. to 55s. per lb. Imported is quo- at 60s. per lb.

DILL.—English-distilled oil is quoted at about 65s. per lb. for B.P. quality. Imported oils are offered at 40s. per lb. with East Indian at 30s., spot.

EUCALYPTUS.—Drum lots of 70 to 75 per cent. eucalyptol on the spot are from 7s. 3d. to 7s. 6d. per lb., as to source and 80 to 85 per cent., 8s. Forward offers of Australian are 7s. 3d. and 8s. per lb., c.i.f., respectively.

LIME.—Limited supplies of West Indian distilled are about 65s. per lb., on the spot.

LAVENDER.—French, 40-42 per cent. linalol on the spot is from 43s. 6d. per lb. Spanish spike is 12s. per lb.

LAVANDIN.—Quotations for spot supplies are about 17s. 6d. per lb.

LEMON. — Sicilian hand-pressed (4 per cent. citral) is quoted at from 40s. per lb., c.i.f.; spot is from 40s. to 45s.

ORANGE.—Easier. Spot offers range from 18s. 6d. to 20s. per lb., as to quality.

PALMAROSA. — Spot quotations for Formosan are 37s. 6d. per lb. East Indian is 52s. 6d., c.i.f.

PEPPERMINT. — Chinese *arvensis* oil on the spot is from 34s. per lb. for 5-case lots; Brazilian, 18s. per lb., in drums; Italian "Mitcham" type, 60s.

PETITGRAIN.—Paraguay on the spot is from 21s. per lb.

SANDALWOOD. — Mysore oil on spot is from 69s. per lb., as to quantity; Australasian oil is offered at 45s. per lb.; West Indian, 19s. 3d.

WORLD TRADE

Indonesian Port Charges.—Fees levied the Indonesian Government on import d export goods handled by Indonesian rts are expected to be trebled under an ergency law recently proclaimed.

Chemical Equipment Fair. — Equipnt for the chemical, pharmaceutical and od-processing industries will be shown a fair scheduled to be held in Rotterdam tween October 21-29.

Italian Penicillin Imports.—The Italian inistry of Foreign Trade has fixed a ota of $500,000 for imports of penicillin d penicillin specialities from the United ates in the third quarter of this year.

Customs Duties Suspended. — In an ort to fight foot-and-mouth disease, ich is seriously affecting French cattle, e French Customs Board has decided suspend customs duties on the import of ccines against the disease.

Canadian Sulphur Plant Opened.— nada's first plant for the extraction of sulphur was opened in Alberta on June 10 by the Shell Oil Co. of Canada, Ltd. The plant cost $1,750,000 and will produce 10,000 long tons of sulphur annually from natural gas.

Australian Sulphuric Acid Plant.—The Australian Government is to give high priority to imports of machinery for a new sulphuric acid plant to be built at Port Adelaide by Sulphuric Acid, Ltd. Covering a 40-acre site, the plant is expected to produce about 100,000 tons of the acid annually.

Chilean Foreign Trade.—The Chilean Government is again to assume complete control over Chilean foreign trade. Free exchange rates are eliminated from export-import activities, and all operations will have to be licensed by the Chilean Foreign Exchange Board. — By a recent decree the import of over 1,000 items which Chile is now producing herself has been banned up to December 31. The main items affected include a number of chemical products.

TRADE MARKS

From the "Trade Marks Journal," June 18

For antibacterial preparations (5)
TALSUTIN, NYDRAZID, 705,162-64, by E. R. Squibb & Sons, Ltd., London, W.1.

For disinfectants and medicated toilet paper (5)
NOYZONE, B705,320, by Charles John Noys, London, E.13.

For insect-destroying preparations and papers (5)
VELARDON, 706,129, by Organon Laboratories, Ltd., London, W.C.2.

For medicated ointment for the human skin (5)
JOLITRED, 706,665, by J. E. Carter & Co., Bristol.

For non-electric dry shavers and parts thereof (8)
THE CRUSADER, 705,484, by Stanley Elsky, London, S.E.20.

From the "Trade Marks Journal," June 25

For sensitised articles for use in photography (1).
ALLIANCE BRAND. 696,128, by Hall Harding, Ltd., London, S.W.1.

For photographic developers (1).
ERGOL, 706,463, by R. G. Lewis, Ltd., London, W.C.1.

For non-perfumed cleaning preparations for removing grease from the hands of manual workers (3).
SALUTE, 702,595, by Deb Chemical Proprietaries, Ltd., Belper.

For household detergents (3).
FRIGIKLEEN, 704,061, by George Borwick & Sons, Ltd., London, W.1.

For non-medicated toilet preparations (3).
NID, 705,185, by Optrex, Ltd., Greenford.

For all goods (3).
KERASILK, 706,405, by Superma, Ltd., London, W.1.

For essential oils and soaps (3).
CDC, 706,803, by Colonial Development Corporation, London, W.1.

For medicated creams for the skin (5).
CHILVAX, 703,313, by Chilva Laboratories, Ltd., Bradford.

For all goods (5).
BENESAL, 704,356, by Benger's, Ltd., Ipswich.
ACUDEX, BARBOX, PRUREX, ZICTHOL, 706,770-78, by Genatosan, Ltd., Ipswich.

For pharmaceutical preparations for preventing or treating travel sickness (5).
SEREEN, B706,221, by Boots Pure Drug Co., Ltd., Nottingham.

For pharmaceutical preparations (5).
ISONIDE, 706,422, by Reckitt & Colman, Ltd., Hull. MUCILOSE, 706,422, by Bayer Products, Ltd., London, W.C.2. NICETAL, 706,763, by Dr. A. Wander, S.A., Berne.

For nail brushes for children (21).
KIDDY PIGGY, B703,927, by G. B. Kent & Sons, Ltd., London, W.1.

From the "Trade Marks Journal," July 2

For preparations for the hair (3).
ROXILFIX, 702,911, by Arthur Leslie Parsons and Francis David Scott Thomson, Hove.

PRINT AND PUBLICITY

New Catalogue.—Halex, Ltd., Highams Par London, E.4, have issued a new catalogue of the Bex equipment.

Eye Lotion Advertising.—Optrex, Ltd., Wad worth Road, Perivale, Greenford, Middlesex, a now advertising Optrex eye lotion in the "Rad Times."

Modern Lighting. — "Modern Lighting Tech nique" is the title of a 215-p. book by Harr Hewitt, A.M.I.E.E. (lighting specialist to th North-western Electricity Board), for "all tho who are concerned with the practical aspects lighting design and maintenance." It is publishe by Edward Arnold & Co., at 21s.

Notes on Medical Products.—The sixth edition "Notes on M. & B. Medical Products" recent issued by May & Baker, Ltd., Dagenham, Esse is a 189-p. book containing monographs on t company's medical products except those which not require such explanation. The 46-p. appen deals with therapeutic indications. The book indexed.

Display Material.—New point-of-sales displ material for Cephos powders and tablets, includi a "closed and open" card and window tra parencies, is freely available from CEPHOS, LT Blackburn, Lancs. — MAYBORN PRODUCTS, LT Dylon Works, Sydenham, London, S.E.26, a issuing a three-colour window sticker for Dyl white dye tablets, and a counter leaflet explaini the action and use of Dylon.

Medical Leaflets.—Leaflets, folders and bookl obtainable from manufacturers include those list below:—

BENGER LABORATORIES, LTD., Holmes Chap Ches: "Tubomel" (16-p. booklet); "Intrav ous Iron Therapy" (8-p. booklet).

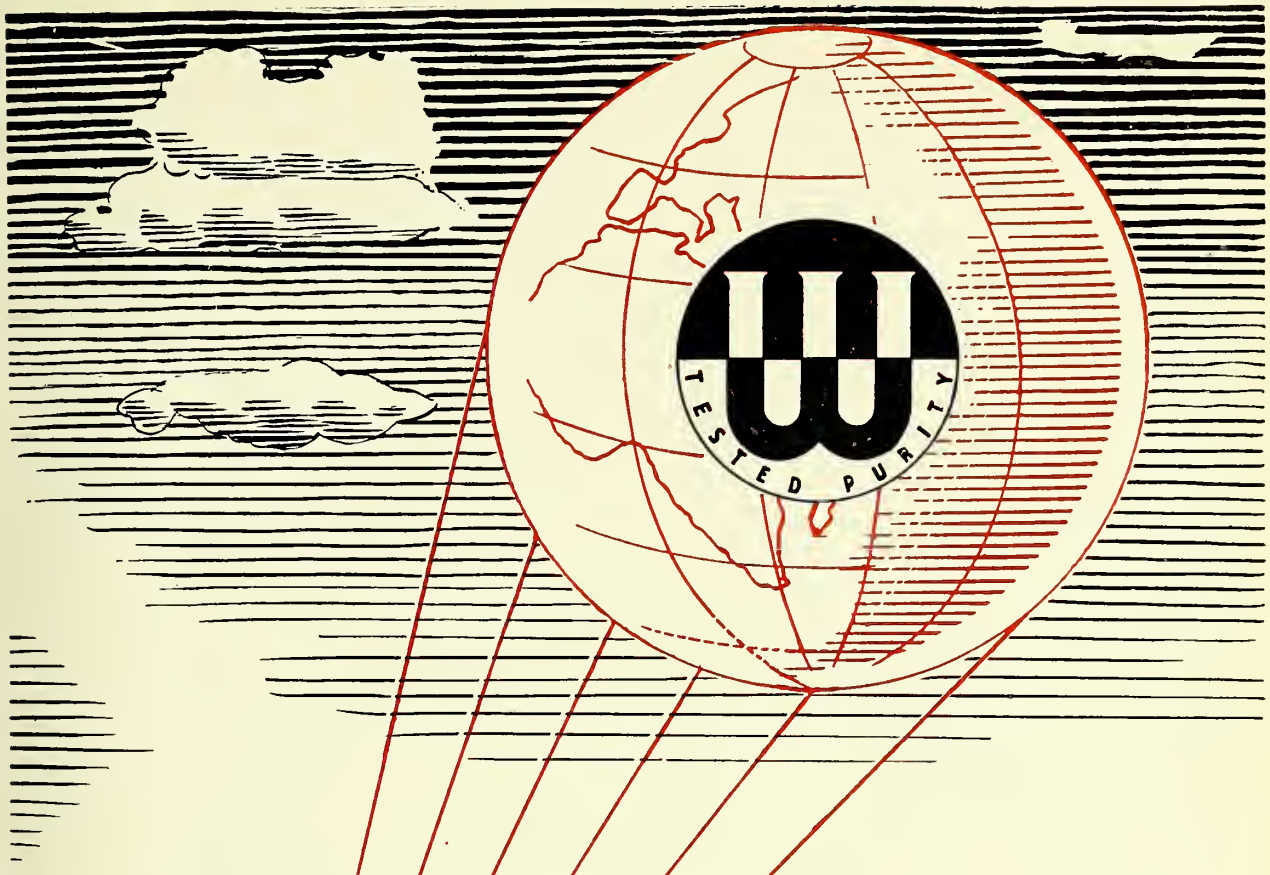
BOOTS PURE DRUG CO., LTD., Station Stre Nottingham: "Isoprenaline Sulphate—Boot (4-p. leaflet); "Alimex for the Relief of A Dyspepsia" (4-p. leaflet); "Tusana" (4-p. le let); "Tablets of Ethinylœstradiol, B.P." (4 leaflet).

ROCHE PRODUCTS, LTD., Welwyn Garden C Herts: "Dromoran" (6-p. leaflet); "Thepho Tablets and Ointments" (blotters); "The Ro Courier" Nos. 3 4 and 5, 1952; "Thepho Ointment" (4-p. leaflet); "Sedulon" (blotter)

A PHARMACIST'S ANTHOLOGY

I BLESS God I never have been in good plight as to my health on so v cold weather as this is, nor indeed any hot weather, these ten years, as I at this day, and have been these four five months. But I am at a great loss know whether it be my hare's foot a charm against the colic], or taking ev morning of a pill of turpentine, or having left off the wearing of a gowne

From "The Diary of Samuel Pepys."



CAFFEINE
ALKALOID & SALTS

THEOBROMINE
ALKALOID & SALTS

WHIFFEN'S

FINE CHEMICALS

WHIFFEN & SONS LTD., FULHAM, LONDON, S.W.6
Telephone : RENown 3416 *Telegrams : Whiffen, Walgreen, London*

The CHEMIST AND DRUGGIST
JULY 12, 1952

THE CHOICE OF EXPERTS

ZEAL BRITISH MADE



CLINICALS

No higher in price than nondescript makes . . .
Also—Household Bath and Works Thermometers the best of their kind.

G. H. ZEAL LTD. LOMBARD ROAD, MORDEN ROAD, LONDON, S.W.19

Phone LIBERTY 2283-4-5

Established 1890

Cables : Windschuegl London



Importers and Exporters of Pharmaceutical Chemicals. All types of Botanical and Crude Drugs for prompt delivery from stocks or shipment from origin.

CHAS. H. WINDSCHUEGL LTD.

1 LEADENHALL STREET, LONDON, E.C.3